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UNITED STATES DEPARTMENT OF AGRICULTURE

DEPARTMENT BULLETIN No. 1268

Washington, D. C. ▼ October 16, 1924

RETURNS FROM BANDED BIRDS, 1920 TO 1923

By

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Division of Biological Investigations
Bureau of Biological Survey

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By FREDERICK C. LINCOLN, *Associate Biologist, Division of Biological Investigations, Bureau of Biological Survey*

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INTRODUCTION

The marking of birds by means of numbered aluminum bands is resulting in the accumulation of information that will be valuable in solving many problems in ornithology. The experiment of Audubon, as long ago as 1803,[1] in banding a brood of phoebes is now well known, while the interesting and valuable results obtained by Dr. Paul Bartsch, in 1902, in his work with black-crowned night herons in the District of Columbia,[2] and by Dr. John B. Watson, in 1907, with sooty and noddy terns at Dry Tortugas, Fla.,[3] have also been detailed in full.

ORGANIZED ACTIVITIES IN BIRD BANDING

For the credit of conceiving a broader scope for the banding method credit must be given in this country to P. A. Taverner and Dr. Leon J. Cole. Mr. Taverner, in 1903, distributed to interested persons a number of hand-made bands bearing the legend NOTIFY THE AUK NY, and a serial number. Comparatively few birds were thus banded, and only one return appears to have been recorded.[4] Through the efforts of Doctor Cole, the New Haven Bird Club in 1908 issued a comparatively small series of bands, bearing the legend BOX Z. YALE STA. NEW HAVEN, CONN.; in 1909, the legend was changed to read NOTIFY THE AUK NEW YORK. The bands used by the New

[1] Audubon, John James. Ornithological biography, vol. 2, p. 126, 1834.
[2] Bartsch, Paul. Notes on the herons of the District of Columbia: Smiths. Misc. Col., vol. 45, pub no. 1419, quart. issue, vol. 1, pts. 1 and 2, pp. 104–111, pls. 32–38, 1904.
[3] Watson, John B. The behavior of noddy and sooty terns: Pub. 103, Carnegie Inst. Washington, paper 7, pp. 187–225, pls. 1–11, March, 1909.
[4] The Auk, vol. 23, p. 232, April, 1906.

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Haven club were the first to be issued by any ornithological club in this country. Somewhat more than 5,000 of these bands were distributed during the first season after their adoption, and Doctor Cole, in commenting on the fact, expressed his satisfaction that "approximately one-fifth of these were used and are now [1909] being worn by a very considerable number of wild birds."[4] His paper on the subject was presented at the meeting of the American Ornithologists' Union, in New York City, in November, 1909, and emphasized the need of a permanent organization.

The subject was again taken up at a dinner held at the Hotel Endicott on November 8, 1909, and the organization of the American Bird Banding Association was perfected at the meeting which followed. The legend on the bands was again changed, the new inscription reading NOTIFY A. M. MUSEUM, N. Y. (sic), or (on the smaller sizes) NOTIFY A. M. N. H., N. Y. Adequate funds for the purchase of bands and other supplies constituted a source of more or less difficulty, but through the activities of this association, and particularly through the untiring efforts of its secretary, Howard H. Cleaves, and the assistance of the Linnæan Society of New York (since April, 1911), the work was prosecuted until January, 1920. During this period an important paper was presented by S. Prentiss Baldwin which indicated the high character of the results that might be obtained from the systematic trapping and banding of birds.[5]

In January, 1920, the work of the American Bird Banding Association was formally taken over by the Biological Survey as an adjunct to its investigations. The importance of this method of obtaining information relative to the migrations and life histories of birds is being fully demonstrated.

Plans were at once formulated by the Biological Survey for the intensive development of the project, but putting them into full effect was delayed until an adequate supply of bands could be assured. A manufacturer was finally found after a long search, who was sufficiently interested to install and perfect the necessary machinery. With a supply of bands available to make a thorough study, the bird-banding project has been developed steadily through an increasing number of cooperators, whose work is done without compensation.

The work now bids fair to become one of the most effective means for gathering precise information relating to bird migration and to the life histories of many species. Studies conducted with many individuals of a species at different trapping stations—thereby checking the work of the different operators—are providing a wealth of indisputable information which will in some cases no doubt completely revolutionize some accepted beliefs. It is generally conceded that these results could be obtained in no way other than by the banding method as furthered by the establishment of numerous trapping stations.

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[4] Cole, Leon J. The tagging of wild birds; report of progress in 1909: The Auk, vol. 27, no. 2, p. 157, April, 1910.

[5] Baldwin, S. Prentiss. Bird banding by means of systematic trapping: Abstr. Proc. Linnæan Soc. New York, no. 31, pp. 27–56, pls. 1–7, 1919.

REGIONAL BANDING ASSOCIATIONS

Because of the great difficulty of coordinating the activities of large numbers of cooperators in various parts of the United States and Canada, the expediency of grouping them into regional associations, each with its proper officers, was favorably considered. The plan at first contemplated was the allotment of territory along natural geographic lines as far as possible, although, unfortunately, it has been necessary to make the boundaries conform to political lines, because of the State permits that must be obtained. The system has been satisfactory, however, and under the guidance of experienced ornithologists the development of the local associations has been rapid.

Northeastern Bird Banding Association.—First of these local associations was the present Northeastern Bird Banding Association, originally organized as the New England Bird Banding Association, on January 17, 1922, the result of the interest and tireless energy of Laurence B. Fletcher, of Boston, Mass., who has since served in the capacity of secretary. E. H. Forbush, State ornithologist of Massachusetts, was elected the first president. The territory covered includes the New England States, the Maritime Provinces of Canada, and Quebec.

Inland Bird Banding Association.—The second regional organization to be launched was the Inland Bird Banding Association, formed on October 24, 1922, at the Chicago, Ill., meeting of the American Ornithologists' Union. S. Prentiss Baldwin, whose work in systematic trapping opened a new field of bird banding, has served continuously as president, and William I. Lyon, of Waukegan, Ill., a pioneer in the work, has served as secretary. This association is coordinating the work in the territory tributary to the Mississippi River, extending from the Allegheny Mountains to the Rocky Mountain States and British Columbia.

Banding Chapter, Cooper Ornithological Club.—The Cooper Ornithological Club next took an active interest in the subject. Because of the fact that the existing organization was devoted primarily to the study of western birds, it was not considered advisable to promote a separate association. A "Banding Chapter of the Cooper Club" was accordingly formed, with J. Eugene Law, of Altadena, Calif., as chairman. The territory covered by the chapter includes the entire Pacific coast area, including Alaska, together with the Rocky Mountain States.

Eastern Bird Banding Association.—With three organizations functioning, there remained unallotted only the territory on the Atlantic coast south of and including New York, and the Province of Ontario. It was accordingly considered important to form an association of the cooperators in this region. At a special meeting of the Linnæan Society of New York, held at the American Museum of Natural History on April 24, 1923, the subject was fully discussed and Mr. Baldwin was authorized and requested to take care of the preliminary arrangements. As a result, the Eastern Bird Banding Association has been organized, with Dr. Arthur A. Allen, of Cornell University, Ithaca, N. Y., as president, Mrs. J. E. Webster, of East Orange, N. J., as secretary, and Rudyerd Boulton, of the University of Pittsburgh, as executive secretary.

So great is the extent of the territory assigned to most of these regional associations that further subdivision will ultimately be necessary. This is being anticipated and will be accomplished when the cooperators in any geographic area become sufficiently numerous and leaders for new groups can be developed. There are already many station operators of experience who will, no doubt, be capable of furthering such activities.

RETURNS REPORTED TO THE BIOLOGICAL SURVEY

Facts relative to the 1,746 returns that were received by the Biological Survey during the period from January 1, 1920, to June 30, 1923, are set forth in this report in tabular form, in order that coop-

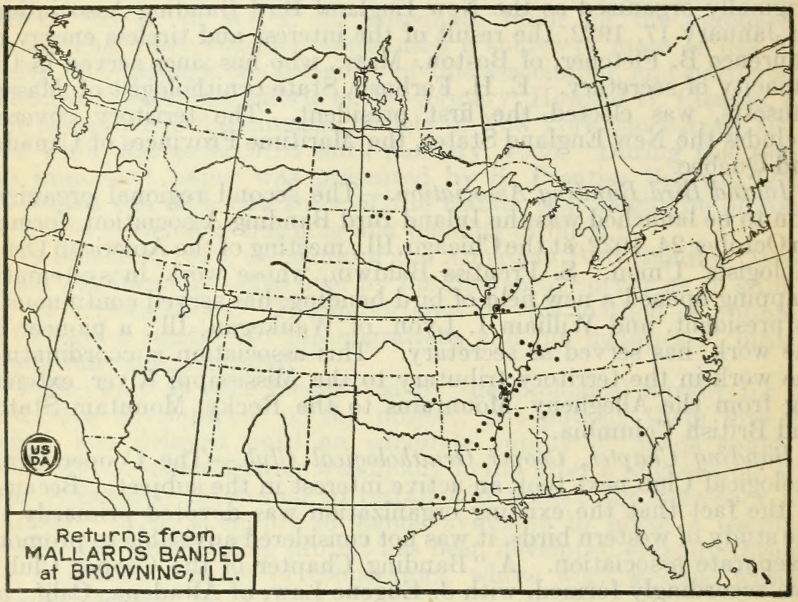


FIG. 1.—Localities from which bands have been returned that were attached to mallard ducks at the Sanganois Club, Browning, Ill., during the period February 28 to March 25, 1922, and September 27 to December 15, 1922. In the Mississippi Valley one spot on the map may indicate several returns. A study of the migration of this important game bird is receiving special treatment by means of the banding method and, as illustrated, information already received shows a dispersal from the point of banding over a vast region that extends from the coast of Texas and Louisiana north to central Manitoba and Saskatchewan, with an occasional mallard traveling east to the Atlantic coast

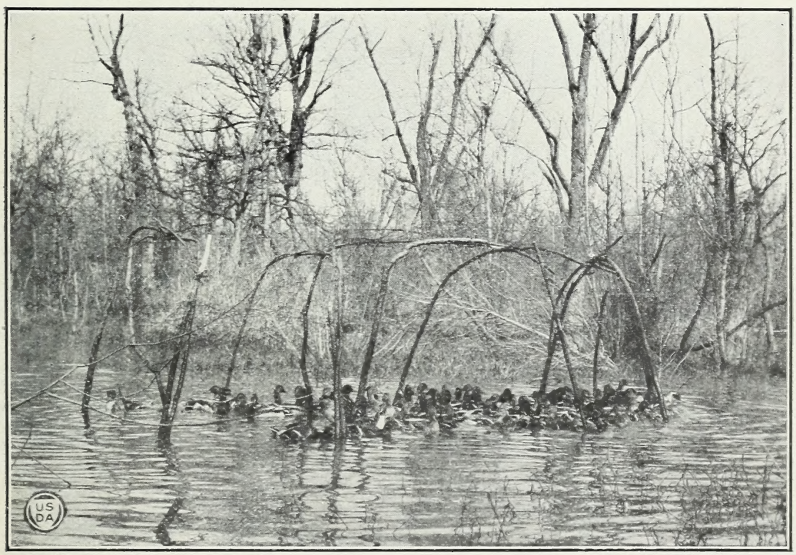
erators and others interested may the more readily use the available information for present purposes and as a basis for further investigations. In addition, it is believed that the meager results obtained from the banding of some species will serve as a stimulus for those who may be sufficiently ingenious to devise new and effective contrivances for the capture of birds of these species in larger numbers.

The tables in this report are presented without discussion, for the reason that it is deemed inexpedient to attempt detailed comment for all groups when it is obvious that the material will permit a wide range of interpretation. This will depend not only upon the character of the returns obtained for different species, but also upon ecological, meteorological, and other factors that demand full consideration.

B24054

FIG. 1.—SPRING-POLE TRAP

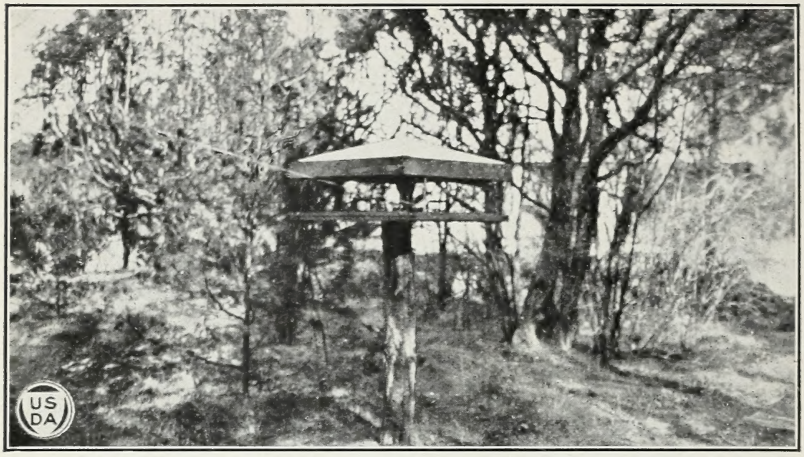
Duck station at Cuivre Island, Mo., operated by L. V. Walton



B24074

FIG. 2.—AUTOMATIC PEN-TRAP

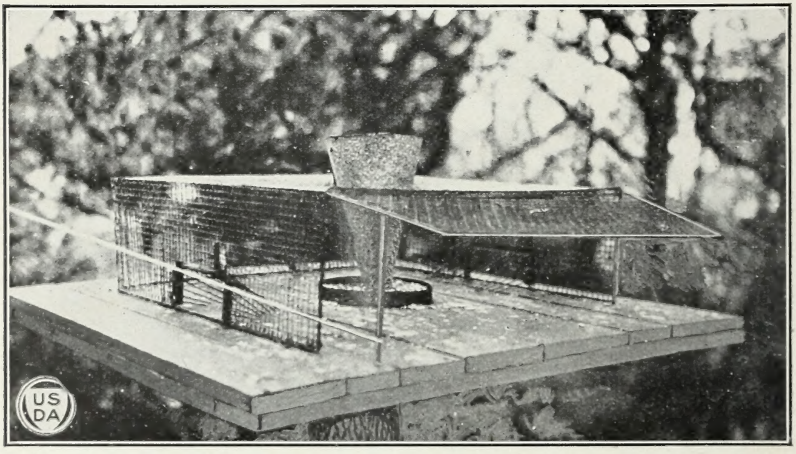
Duck station maintained at the Sanganois Club, Browning, Ill., by the writer. The trap contained 93 mallards, pintails, and black ducks when this picture was taken



B2437

FIG. 1.—COLLAPSIBLE DROP-TRAP

Used under cover for protection from the weather, at the station of Richard B. Harding, Cohasset, Mass.



B2438

FIG. 2.—COLLAPSIBLE DROP-TRAP (CLOSE VIEW)

The trap illustrated above, with cover removed to show food hopper, by means of which a constant supply of bait is maintained during days when the trap is not operated. At such times birds are free to enter and leave at will

B2439

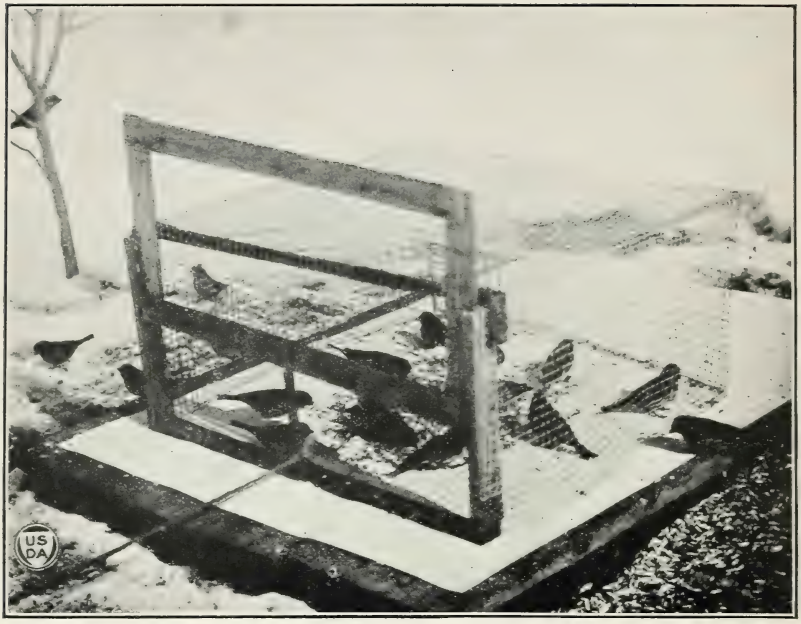
FIG. 1.—TREE-TRUNK TRAP

Operated at station of Richard B. Harding, Cohasset, Mass.

B2367

FIG. 2.—FOLDING WARBLER-TRAP

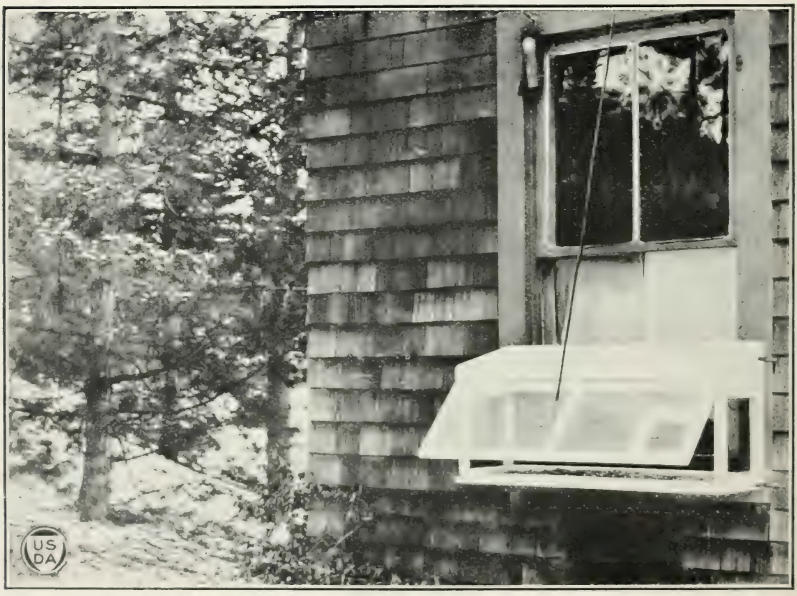
Used by T. Donald Carter and R. H. Howland in conducting studies with Brewster warblers. The trap contains an adult male of this species



B2436M

FIG. 1.—SLIDING-DOOR TRAP

Operated at the station of B. S. Bowdish, Demarest, N. J.; 119 purple finches were taken in this trap on a single day



B32435M

FIG. 2.—WINDOW FEEDING-STATION AND TRAP

A protected window trapping station operated by R. E. Horsey, at Highland Park, Rochester, N. Y.

For instance, what might prove an excellent method of treatment for returns from the mallard duck (Fig. 1) would not be applicable in the case of the song sparrow.

With a sufficient accumulation of information from different parts of the country, it will be possible eventually to prepare reports which will constitute distinct contributions to our knowledge of the species involved.[6] The number of recruits to this new method of ornithological research is constantly increasing, and it is gratifying to note that many cooperators are directing their activities toward the solution of definite problems concerning certain species.

EXPLANATION OF TABLES

The various species are presented in the order of the "A. O. U. Check-List." [7] The records under individual species are arranged numerically under the names of the operators, grouped alphabetically by States, which also are in alphabetical order. Thus under "Tree sparrow," the table begins with returns from birds banded in Connecticut by cooperators listed alphabetically. This is followed by Illinois and Massachusetts, with the returns from the cooperators in the respective States, similarly arranged. This method of treatment has been adopted because any studies based on this material should place initial emphasis upon the locality (State or Province) where the birds were originally banded.

Numbers preceded by an asterisk (*) are those of the American Bird Banding Association, all others being those of the Biological Survey. These records have been obtained mostly from birds marked since January, 1920, as the remnant of the association bands have been issued by the Biological Survey. In a few cases, however, it has appeared advisable to give the complete history of a bird that has yielded a series of returns of special interest, and in these instances return records received by the association prior to 1920 also are included.

Numbers preceded by a dagger (†) indicate recently banded birds found dead at or near the place of banding. Unusually late dates in these "short-time returns" are often due to the fact that the carrier was not found until some time after its death.[8] Following is a list of known causes of such deaths:

Due to—
- Cats.
- Shrikes.
- Red squirrels.
- Ground squirrels.
- Weasels.
- Rats.
- Owls (species ?).
- Sparrow hawks.
- Cooper hawks.
- "Grass" snakes.
- Gopher snakes.
- Black snakes.
- "Hawk or gull."

Due to—
- Blue jays.
- Hunters.

Capture in—
- Herring net.
- Fish trap.
- Muskrat trap.

Saturation of plumage with fuel oil.
Crowding of fledglings out of nest by cowbirds.
Inclement weather.
Desertion of fledglings by parents.
Accidents due to traps or operators.

[6] One preliminary report of the migrations of certain ducks, as deduced from banding returns, has been prepared by the writer (Trapping ducks for banding purposes: The Auk, vol. 39, pp. 322–334, pls. 11–14, map, 1922), and he has in progress more elaborate communications dealing with these birds, together with the herring gull and Caspian tern.

[7] Check-List of North American Birds of the American Ornithologists' Union, third edition (revised), 1910.

[8] Martin No. 104232 (p. 45) was found dead when the colony house was cleaned out—long after the parents had left.

Of death-dealing agencies, by far the most numerous are cats and shrikes, with squirrels of various species next. Accidents at trapping stations that may be attributed to carelessness, inexperience, or improperly constructed traps have been remarkably few. Naturally some accidents would occur where inexperienced persons began handling large numbers of small birds, caught in traps which in some cases were either purely experimental or crudely constructed. The fact that such mishaps have been so few offers abundant justification of the bird-banding method and shows the care and gentleness exercised by cooperators. Information as to the cause of the death of banded birds when forwarded to the Biological Survey yields interesting light on the subject of bird mortality and its causes and is thus available for study purposes.

Symbols and abbreviations used in these tables, in addition to the asterisk (*) and the dagger (†), already explained, are as follows: ♂, male bird; ♀, female; juv., young (juvenile); im., immature.

TABLES OF RETURNS

Loon: *Gavia immer*

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
201486	-----	H. A. McGraw	Altoona, Pa-----	Apr. 30, 1923	May 27, 1923	Balmy Beach, Simcoe County, Ontario.

Glaucous-winged Gull: *Larus glaucescens*

200990	juv.	Theed Pearse	Gulf of Georgia, British Columbia.	July 30, 1922	Feb. 16, 1923	Pacific coast, 86 mi. N. of Vancouver, British Columbia.
200994	juv.	-----do-----	-----do-----	-----do-----	Dec. 15, 1922	Redonda Bay, British Columbia.

Herring Gull: *Larus argentatus*

100633	juv.	Ernest Joy----	Grand Manan, New Brunswick.	Aug. 16, 1921	Jan. 4, 1922	Jamaica Bay, N. Y.
100646	juv.	-----do-----	-----do-----	-----do-----	Oct. 18, 1921	Maceo Bay, Charlotte County, New Brunswick.
100698	juv.	-----do-----	-----do-----	Aug. 18, 1921	Apr. 9, 1922	San Antonio Bay, Tex.
100700	juv.	-----do-----	-----do-----	-----do-----	June 18, 1922	Rockaway Point, N. Y.
*25386	juv.	Wm. Pepper--	Little Duck Island, Me.	July 19, 1915	Aug. 1920	Cape Porpoise, Conn
202213	juv.	W. S. McCrea	St. James, Mich.	July 16, 1922	Jan. 18, 1923	Wickliffe, Ky.
202237	juv.	-----do-----	-----do-----	-----do-----	Nov. 30, 1922	Ennis, Tex.
202248	juv.	-----do-----	-----do-----	-----do-----	Jan. 12, 1923	Brunswick, Ga.

Ring-billed Gull: *Larus delawarensis*

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
5553	juv.	Francis Harper.	Lake Athabaska, Alberta.	June 28, 1920	Oct. 2, 1920	Lesser Slave Lake, Alberta.

Caspian Tern: *Sterna caspia imperator*

202257	juv.	W. S. McCrea.	St. James, Mich.	July 28, 1922	Sept. 24, 1922	Traverse City, Mich.

Common Tern: *Sterna hirundo*

*1258	juv.	J. C. Phillips.	Eastern Egg Rock, Me.	July 3, 1913	Aug. 1917 [1]	Niger River Delta, South Nigeria, West Africa.
*54886	-----	F. P. Cook----	Brigantine Island, N. J.	July 27, 1920	May 20, 1922	Paria Bay, Blanchisseuse, Trinidad.
104872	juv.	Edwin Beaupre.	Bay of Quinte, Ontario.	July 14, 1922	Aug. 15, 1922	Rochester, N. Y. (12 mi. W.).

Gannet: *Moris bassana*

207105	juv.	H. L. Stoddard.	Bonaventure Island, Quebec.	July 31, 1922	May 2, 1923	Alberton, Prince Edward Island.
207236	juv.	-----do----------	-----do----------	-----do--------	Sept. 15, 1922	Casco Bay, Me.
207269	juv.	-----do----------	-----do----------	-----do--------	Nov. 27, 1922	Neils Harbor, Nova Scotia.

White Pelican: *Pelecanus erythrorhynchos*

100553	juv.	A. F. Walther.	Morse, Saskatchewan.	Oct. 22, 1921	Oct. 27, 1921	Lindsay, S. Dak.
†201809	juv.	H. B. Ward---	Yellowstone Lake, Wyo.	July 26, 1922	----------	Yellowstone Lake, Wyo.
201815	juv.	-----do----------	-----do----------	-----do--------	Oct. 9, 1922	Swan Lake, Idaho.
201820	juv.	-----do----------	-----do----------	-----do--------	Sept. 1922	Red Rock Lake, Mont.
†201826	juv.	-----do----------	-----do----------	-----do--------	----------	Yellowstone Lake, Wyo.
†201831	juv.	-----do----------	-----do----------	-----do--------	----------	Do.
201835	juv.	-----do----------	-----do----------	-----do--------	Oct. 5, 1922	Garland, Utah.
†201841	juv.	-----do----------	-----do----------	-----do--------	----------	Yellowstone Lake, Wyo.
201843	juv.	-----do----------	-----do----------	-----do--------	Feb. 26, 1923	Otatitlan, Mexico.
201850	juv.	-----do----------	-----do----------	-----do--------	Oct. 1, 1922	Idaho Falls, Idaho (40 mi. NW.).
201860	juv.	-----do----------	-----do----------	-----do--------	Oct. 11, 1922	Sterling, Utah.
201873	juv.	-----do----------	-----do----------	-----do--------	Oct. 10, 1922	Aurora, Utah.

[1] Reported under date of Nov. 18, 1920.

Mallard: *Anas platyrhyncha*

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
†101043	♀	A. M. Shields	San Francisco, Calif.	Sept. 6, 1922	Dec. 31, 1922	San Francisco, Calif.
†101045	♂	do	do	do	Nov. 5, 1922	Do.
102401	♂	F. C. Lincoln	Browning, Ill.	Mar. 3, 1922	Jan. 18, 1923	Big Lake, Ark.
102402	♂	do	do	Mar. 5, 1922	Nov. 19, 1922	Gainesville, Fla. (5 mi. N.).
102415	♂	do	do	Mar. 6, 1922	Nov. 13, 1922	Hamilton County, Iowa.
102421	♂	do	do	do	Oct. 7, 1922	Luck Lake, Saskatchewan.
102422	♂	do	do	do	Dec. 15, 1922	Browning, Ill.
102425	♀	do	do	do	Dec. 2, 1922	Grand Island, Ill.
102426	♂	do	do	do	Oct. 4, 1922	Quill Lake, Saskatchewan.
102442	♂	do	do	Mar. 7, 1922	Nov. 27, 1922	Bennett, Iowa.
102454	♀	do	do	do	Sept. 20, 1922	Leola, S. Dak. (16 mi. NW.).
102470	♀	do	do	do	Nov. 10, 1922	Leavenworth, Kans.
102495	♀	do	do	Mar. 8, 1922	Nov. 22, 1922	Chillicothe, Ill. (3 mi. E.).
102516	♀	do	do	Mar. 9, 1922	Dec. 2, 1922	Henry, Ill.
102520	♂	do	do	do	Dec. 18, 1922	Memphis, Tenn. (20 mi. S.).
102524	♂	do	do	do	Nov. 15, 1922	Henderson County, Ill.
102534	♂	do	do	do	Nov. 1, 1922	Ramsey County, N. Dak.
102546	♂	do	do	do	Dec. 25, 1922	Hull, Tex.
102556	♀	do	do	Mar. 10, 1922	Feb. 24, 1923	Kennett, Mo.
102572	♂	do	do	do	Dec. 29, 1922	Bath, Ill. (10 mi. S.).
102576	♂	do	do	do	Dec. 10, 1922	Pass a Loutre, La.
102590	♂	do	do	do	Nov. 29, 1922	Henderson County, Ill.
102591	♂	do	do	do	Nov. 6, 1922	Jamestown, N. Dak. (11 mi. NE.).
102601	♂	do	do	do	Nov. 15, 1922	Moon Lake, Ark.
102610	♂	do	do	do	Nov. 13, 1922	Welsh, La. (8 mi. NW.).
102611	♂	do	do	do	Dec. 26, 1922	Sangamon River, Ill.
102632	♂	do	do	Mar. 11, 1922	Nov. 15, 1922	Burlington, Iowa (10 mi, S.).
102633	♀	do	do	do	Apr. 22, 1922	Buchanan, Saskatchewan.
102634	♀	do	do	do	Jan. 27, 1923	Checotah, Okla.
102635	♀	do	do	do	Sept. 27, 1922	Petersburg, Ill. (4 mi. N.).
102659	♀	do	do	do	Dec. 15, 1922	Chandlerville, Ill.
102665	♀	do	do	do	Oct. 25, 1922	Browning, Ill.
102678	♂	do	do	do	Nov. 11, 1922	Mason County, Ill.
102685	♀	do	do	do	Dec. 11, 1922	Fulton County, Ill.
102691	♂	do	do	do	Dec. 8, 1922	Burlington, Iowa (6 mi, S.).
102701	♀	do	do	do	Dec. 28, 1922	Beardstown, Ill.
102704	♀	do	do	do	Dec. 12, 1922	DeWitt, Ark. (25 mi. S.).
102706	♀	do	do	do	Nov. 25, 1922	Alexandria, Mo.
102707	♂	do	do	do	Nov. 12, 1922	Claremont, S. Dak.
102709	♀	do	do	do	Dec. 19, 1922	Havana, Ill. (5 mi. NE.).
102714	♂	do	do	do	Nov. 29, 1922	Lake Concordia, Miss.
102718	♀	do	do	do	Sept. 16, 1922	Herman, Minn. (8 mi. SE.).
102746	♂	do	do	Mar. 12, 1922	do	Leola, S. Dak. (8 mi. NW.).
102755	♂	do	do	do	Nov. 9, 1922	Lexington, Nebr. (7 mi. SW.).

Mallard—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
102794	♀	F. C. Lincoln	Browning, Ill.	Mar. 13, 1922	(?)	Sheho, Saskatchewan (6 mi. N.).
102804	♂	do	do	do	Nov. 11, 1922	Omaha, Nebr.
102832	♂	do	do	Mar. 14, 1922	Sept. 15, 1922	Seward, Saskatchewan (2 mi. S.).
102843	♂	do	do	do	Jan. 10, 1923	Desha County, Ark.
102853	♀	do	do	do	Jan. 13, 1923	Pecan Island, La.
230003	♀	do	do	Nov. 9, 1922	Nov. 22, 1922	Snicarte, Ill.
230005	♂	do	do	Nov. 10, 1922	Dec. 9, 1922	Crane Lake, Ill.
230012	♂	do	do	Nov. 12, 1922	Nov. 12, 1922	Beardstown, Ill. (9 mi. NE.).
230013	♂	do	do	do	Dec. 20, 1922	Bath, Ill
230016	♂	do	do	do	Dec. 4, 1922	Bath, Ill. (3 mi. S.).
230018	♂	do	do	do	Dec. 3, 1922	Browning, Ill.
230020	♀	do	do	do	Dec. 2, 1922	Snicarte, Ill. (3 mi. SW.).
230030	♂	do	do	Nov. 13, 1922	Nov. 21, 1922	Bath, Ill.
230043	♂	do	do	Nov. 16, 1922	Jan. 23, 1923	Reelfoot Lake, Tenn.
230049	♂	do	do	do	Dec. 9, 1922	Bath, Ill. (5 mi. S.).
230050	♂	do	do	do	Dec. 26, 1922	Castalian Springs, Tenn.
230051	♂	do	do	do	Dec. 9, 1922	Crane Lake, Ill.
230054	♂	do	do	do	Dec. 15, 1922	Sangamon River, Ill.
230061	♀	do	do	do	Nov. 22, 1922	Reelfoot Lake, Tenn.
230068	♀	do	do	do	Nov. 27, 1922	Bath, Ill.
230078	♂	do	do	Nov. 17, 1922	Dec. 28, 1922	Near Wisner, La.
230080	♂	do	do	do	Nov. 19, 1922	Ill. R., Frederick, Ill. (3 mi. N.).
230082	♂	do	do	do	Nov. 21, 1922	Cass County, Ill.
230083	♂	do	do	do	Jan. 8, 1923	Jennings, La. (6 mi. NE.).
230091	♂	do	do	do	Nov. 30, 1922	Saidora, Ill.
230094	♂	do	do	do	Dec. 23, 1922	Chandlerville, Ill.
230098	♂	do	do	do	Dec. 2, 1922	Do.
230100	♂	do	do	do	Nov. 27, 1922	Snicarte, Ill.
230102	♂	do	do	do	Dec. 20, 1922	Havana, Ill.
230104	♂	do	do	do	Nov. 21, 1922	Beardstown, Ill.
230107	♂	do	do	do	Dec. 28, 1922	Uniontown, Ky. (10 mi. S.).
†230110	♂	do	do	do	Nov. 17, 1922	Browning, Ill.
†230116	♀	do	do	do	do	Do.
230119	♀	do	do	do	Nov. 18, 1922	Bader, Ill.
230123	♀	do	do	do	Dec. 27, 1922	Beardstown, Ill. (8 mi. NE.).
230124	♀	do	do	do	do	Beardstown, Ill.
230127	♀	do	do	do	Dec. 9, 1922	Beardstown, Ill. (11 mi. SW.).
230128	♀	do	do	do	Nov. 22, 1922	Crane Lake, Ill.
230131	♀	do	do	do	Nov. 27, 1922	Saidora, Ill. (1½ mi. SW.).
230132	♀	do	do	do	Dec. 16, 1922	Beardstown, Ill.
230133	♀	do	do	do	Dec. 6, 1922	Arenzville, Ill. (12 mi. N.).
230150	♀	do	do	Nov. 18, 1922	Dec. 1, 1922[2]	Beardstown, Ill. (6 mi. E.).
†230162	♂	do	do	do	Nov. 28, 1922	Browning, Ill.
230165	♂	do	do	do	Dec. 17, 1922	Illinois River, Ill.
230170	♂	do	do	do	Dec. 21, 1922[2]	Crane Lake, Ill.
230174	♂	do	do	do	Nov. 19, 1922	Schuyler County, Ill.
230178	♂	do	do	do	Nov. 26, 1922	Bath, Ill.

[2] Date approximate.

Mallard—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
230181	♂	F. C. Lincoln	Browning, Ill.	Nov. 18, 1922	Dec. 15, 1922	Almyra, Ark.
†230185	♂	do	do	do	Nov. 26, 1922	Browning, Ill. (3 mi. S.).
†230200	♀	do	do	do	Dec. 30, 1922	Browning, Ill. (1 mi. S.).
230202	♀	do	do	do	Nov. 29, 1922	Rice Lake, Ill.
230205	♀	do	do	do	Nov. 22, 1922	Beardstown, Ill.
230213	♂	do	do	Nov. 19, 1922	Nov. 30, 1922	Illinois River, Ill.
230217	♂	do	do	do	Dec. 10, 1922	Bath, Ill.
†230220	♂	do	do	do	Dec. 2, 1922	Browning, Ill. (3½ mi. N.).
230229	♀	do	do	do	Dec. 1, 1922	Bath, Ill.
230239	♂	do	do	Nov. 20, 1922	Nov. 24, 1922	Do.
230240	♂	do	do	do	Nov. 30, 1922	Saidora, Ill.
230253	♂	do	do	do	Dec. 28, 1922	Grand Island, Ill.
230256	♂	do	do	do	Nov. 27, 1922	Bath, Ill.
230262	♀	do	do	do	Jan. 26, 1923	Sequah County, Okla.
†230265	♀	do	do	do	Dec. 6, 1922	Browning, Ill.
230268	♀	do	do	do	do	Mason County, Ill.
230269	♀	do	do	do	Nov. 23, 1922	Crane Lake, Ill.
230272	♀	do	do	do	Dec. 25, 1922	Beardstown, Ill.
230273	♀	do	do	do	Dec. 17, 1922	Beardstown, Ill. (4½ mi. NE.).
†230275	♀	do	do	do	Nov. 29, 1922	Browning, Ill.
230276	♀	do	do	do	Dec. 10, 1922	Bath, Ill. (4 mi. S. W.).
230281	♀	do	do	do	Nov. 21, 1922	Pecan Orchard (6 mi. NE. of Beardstown, Ill.).
230283	♀	do	do	do	Jan. 10, 1923	Wheeler, Miss.
230287	♀	do	do	do	Jan. 5, 1923	Chidester, Ark.
230288	♀	do	do	do	Dec. 1, 1922	Crane Lake, Ill.
230294	♂	do	do	do	Nov. 24, 1922	Beardstown, Ill.
230300	♂	do	do	do	Dec. 14, 1922	Bath, Ill.
†230304	♂	do	do	do	Dec. 16, 1922	Browning, Ill.
230308	♂	do	do	do	Dec. 14, 1922	Snicarte, Ill.
230309	♂	do	do	do	Dec. 27, 1922	Schuyler County, Ill.
†230314	♂	do	do	do	Dec. 24, 1922	Browning, Ill.
230316	♂	do	do	do	Nov. 26, 1922	Beardstown, Ill. (7 mi. N.).
230318	♂	do	do	do	Jan. 31, 1923	Saratoga, Tex.
230322	♂	do	do	do	Dec. 12, 1922	Bath, Ill.
230327	♀	do	do	do	Jan. 18, 1923	De Valls Bluff, Ark.
230332	♀	do	do	do	Nov. 23, 1922	Illinois River, Ill.
†230336	♀	do	do	do	Nov. 25, 1922	Browning, Ill.
230343	♂	do	do	Nov. 21, 1922	Nov. 23, 1922	Havana, Ill. (10 mi. N.).
230345	♂	do	do	do	Dec. 7, 1922	Mason County, Ill.
†230346	♂	do	do	do	Nov. 30, 1922	Browning, Ill.
†230347	♂	do	do	do	Dec. 2, 1922	Do.
230350	♂	do	do	do	Jan. 21, 1923	Canton, Miss.
230354	♂	do	do	do	Nov. 30, 1922	Beardstown, Ill.
230356	♂	do	do	do	Dec. 12, 1922	Crane Lake, Ill.
230357	♂	do	do	do	Dec. 2, 1922	Sheldons Grove, Ill.
†230363	♂	do	do	do	Nov. 24, 1922	Browning, Ill.
230367	♀	do	do	do	Dec. 6, 1923	Beardstown, Ill. (9 mi. NE.).
†230368	♀	do	do	do	Nov. 27, 1922	Browning, Ill. (4 mi. S.).
230373	♀	do	do	do	Dec. 30, 1922	Snicarte, Ill.
230396	♀	do	do	Nov. 22, 1922	Dec. 7, 1922	Bath, Ill. (6 mi. S.).
230403	♀	do	do	do	Dec. 20, 1922	Bath, Ill.
†230404	♀	do	do	do	Nov. 24, 1922	Browning, Ill.
†230408	♀	do	do	do	Dec. 23, 1922	Browning, Ill. (1 mi. S.).
†230409	♀	do	do	do	Nov. 23, 1922	Browning, Ill.
230411	♀	do	do	do	Jan. 15, 1923	Big Lake, Ark.

Mallard—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
230414	♀	F. C. Lincoln	Browning, Ill	Nov. 22, 1922	Nov. 24, 1922	Beardstown, Ill.
230415	♂	do	do	do	Dec. 15, 1922	Mason County, Ill.
230419	♂	do	do	do	Nov. 24, 1922	Beardstown, Ill.
230440	♀	do	do	do	Nov. 27, 1922	Do.
†230451	♀	do	do	do	Nov. 24, 1922	Browning, Ill.
230457	♂	do	do	do	Dec. 18, 1922	Snicarte, Ill.
230459	♂	do	do	do	Dec. 8, 1923	Huntsville, Ala.
230466	♂	do	do	do	Nov. 24, 1922	Beardstown, Ill.
230475	♂	do	do	do	Dec. 11, 1922	Havana, Ill.
230476	♂	do	do	do	Dec. 25, 1922	Holly Springs, Miss. (8 mi. E.).
230488	♂	do	do	do	Dec. 16, 1922	Crane Lake, Snicarte, Ill. (near).
†230508	♂	do	do	do	Dec. 1, 1922	Browning, Ill.
†230511	♂	do	do	do	Dec. 6, 1922	Do.
230512	♂	do	do	do	Nov. 25, 1922	Beardstown, Ill. (9 mi. NE.).
230516	♂	do	do	do	Nov. 30, 1922[2]	Snicarte, Ill.
230531	♂	do	do	do	Jan. —, 1923	Burke County, Ga.
†230533	♂	do	do	do	Nov. 24, 1922	Browning, Ill. (10 mi. N.).
†230534	♂	do	do	do	Dec. 30, 1922	Browning, Ill.
230544	♀	do	do	do	Dec. 25, 1922	Beardstown, Ill.
230546	♀	do	do	do	Nov. 25, 1922	Do.
†230547	♀	do	do	do	Dec. 18, 1922	Browning, Ill.
†230552	♀	do	do	do	Dec. 1, 1922	Do.
†230553	♀	do	do	do	Dec. 27, 1922	Do.
230559	♀	do	do	do	Nov. 22, 1922	Beardstown, Ill. (6 mi. NE.).
230560	♀	do	do	do	Dec. 5, 1922	Beardstown, Ill. (7½ mi. NE.).
230575	♀	do	do	Nov. 23, 1922	Nov. 27, 1922	Beardstown, Ill. (9 mi. N.).
†230581	♀	do	do	do	Dec. 3, 1922	Browning, Ill.
230582	♀	do	do	do	Nov. 30, 1922	Beardstown, Ill.
230584	♀	do	do	do	Dec. 7, 1922	Bath, Ill. (4 mi. S.).
230586	♀	do	do	do	Dec. 30, 1922	Barnhill, Ill. (4 mi. W.).
230591	♂	do	do	do	Dec. 31, 1922	Beardstown, Ill. (7 mi. N.).
230601	♂	do	do	do	Jan. 26, 1923	Bath, Ill.
230604	♂	do	do	do	Dec. —, 1922	Hopkins County, Ky.
†230605	♂	do	do	do	Dec. 1, 1922	Browning, Ill.
230607	♂	do	do	do	Dec. 7, 1922	Crane Lake, Ill.
230622	♂	do	do	do	Dec. 15, 1922	Sheldons Grove, Ill.
230627	♀	do	do	do	Dec. 20, 1922	Mason County, Ill.
230629	♀	do	do	do	Nov. 23, 1922	Beardstown, Ill.
230643	♂	do	do	Nov. 24, 1922	Dec. 20, 1922	Do.
230647	♂	do	do	do	do	Big Lake, Ark.
230654	♂	do	do	do	Nov. 25, 1922	Beardstown, Ill.
230660	♂	do	do	do	Jan. 11, 1923	Big Lake, Ark.
230663	♂	do	do	do	Dec. 17, 1922	Bath, Ill.
230664	♂	do	do	do	Dec. 15, 1922	Smithland, Ky.
230668	♂	do	do	do	Dec. 1, 1922	Beardstown, Ill.
230676	♀	do	do	do	Dec. 14, 1922	Bath, Ill.
230678	♂	do	do	do	Dec. 16, 1922	Chandlerville, Ill.
†230683	♂	do	do	do	Nov. 28, 1922	Browning, Ill.
†230684	♂	do	do	do	do	Do.
230692	♂	do	do	do	Dec. 27, 1922	Shawneetown, Ill.
230693	♂	do	do	do	Jan. 18, 1923	Big Lake, Ark.
230695	♂	do	do	do	Dec. 19, 1922	Mason County, Ill.

[2] Date approximate.

Mallard—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
230696	♂	F. C. Lincoln	Browning, Ill.	Nov. 24, 1922	Dec. 6, 1922	De Witt, Ark.
230697	♀	do	do	do	Dec. 13, 1922	Beardstown, Ill.
230699	♀	do	do	do	Nov. 18, 1922[3]	Browning, Ill.
230703	♀	do	do	do	Dec. 17, 1922	Bath, Ill.
230731	♂	do	do	do	Nov. 30, 1922	Beardstown, Ill. (5 mi. NE.).
230733	♂	do	do	do	Nov. 28, 1922	Beardstown, Ill. (2 mi. N.).
230735	♂	do	do	do	Dec. 4, 1922	Rush Tower, Mo.
†230740	♂	do	do	do	Dec. 2, 1922	Browning, Ill.
230743	♂	do	do	do	Dec. 27, 1922	Beardstown, Ill.
230749	♂	do	do	do	Nov. 27, 1922	Bath, Ill.
230760	♀	do	do	do	Dec. 14, 1922	Bath, Ill. (2 mi. S.).
230765	♀	do	do	do	Dec. 10, 1922	Snicarte, Ill.
230766	♀	do	do	do	Jan. 11, 1923	Union County, Ark.
230770	♂	do	do	Nov. 25, 1922	Dec. 27, 1922	Beardstown, Ill. (7 mi. N.).
230771	♂	do	do	do	Dec. 7, 1922	Bath, Ill. (3 mi. SW.).
230772	♂	do	do	do	Jan. 11, 1923[3]	Marvell, Ark. (25 mi. S.).
†230773	♂	do	do	do	Dec. 2, 1922	Browning, Ill.
†230776	♂	do	do	do	Dec. 9, 1922	Do.
†230780	♀	do	do	do	Nov. 25, 1922	Do.
230787	♂	do	do	do	Dec. 8, 1922	Havana, Ill. (12 mi. N.).
†230793	♂	do	do	do	Nov. 26, 1922	Browning, Ill.
†230799	♂	do	do	do	Nov. 25, 1922	Do.
†230806	♀	do	do	do	Dec. 2, 1922	Do.
†230809	♀	do	do	do	Nov. 25, 1922	Do.
230814	♂	do	do	do	Dec. 19, 1922	Eunice, La.
230817	♂	do	do	do	Dec. 13, 1922	Havana, Ill.
†230819	♂	do	do	do	Dec. 1, 1922	Browning, Ill.
230821	♂	do	do	do	Latter part of season, 1922	Mount Vernon, Ind.
230822	♂	do	do	do	Dec. 23, 1922	Peoria, Ill.
†230827	♀	do	do	do	Nov. 30, 1922	Browning, Ill.
†230829	♀	do	do	do	Nov. 30, 1922[2]	Do.
†230839	♂	do	do	Nov. 26, 1922	Nov. 26, 1922	Do.
230842	♂	do	do	do	Jan. —, 1923	Meredosia, Ill.
230847	♀	do	do	do	Dec. 2, 1922	Beardstown, Ill. (6 mi. S.).
230852	♂	do	do	do	Nov. 30, 1922	Beardstown, Ill. (9 mi. NE.).
†230856	♂	do	do	do	do	Browning, Ill.
230860	♂	do	do	do	Dec. 15, 1922	Mason County, Ill.
230862	♂	do	do	do	Dec. 19, 1922	Havana, Ill. (6 mi. S.).
230867	♂	do	do	do	Dec. 27, 1922	Sikeston, Mo.
230868	♂	do	do	do	do	McCrory, Ark.
230870	♂	do	do	do	Dec. 11, 1922	Beardstown, Ill. (7 mi. N.).
230872	♂	do	do	do	Nov. 30, 1922	Crane Lake, Ill. (2 mi. E.).
230886	♂	do	do	do	do	Beardstown, Ill.
230891	♀	do	do	do	Jan. 9, 1923	Reelfoot Lake, Tenn.
230893	♀	do	do	do	Nov. 29, 1922	Bluff City, Ill.
230896	♀	do	do	do	Dec. 14, 1922	Snicarte, Ill.
230897	♀	do	do	do	Jan. 23, 1923	Peach Orchard, Ark.
230898	♀	do	do	do	Dec. 13, 1922	Cardwell, Mo. (4 mi. SW.).
230899	♀	do	do	do	Dec. 9, 1922	Beardstown, Ill. (5 mi. NE.).

[2] Date approximate.
[3] An obvious error; return reported after the close of the hunting season; bird possibly killed illegally.

Mallard—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
230901	♀	F. C. Lincoln	Browning, Ill.	Nov. 26, 1922	Dec. 1, 1922	Beardstown, Ill.
230913	♀	do	do	do	Dec. 8, 1922	Do.
230915	♀	do	do	do	Dec. 15, 1922	Mason County, Ill.
†230918	♀	do	do	do	Dec. 6, 1922	Browning, Ill.
230927	♀	do	do	do	Jan. 27, 1923	Bogota, Tenn (2 mi. E.).
230929	♂	do	do	do	Nov. 28, 1922	Chandlerville, Ill. (8 mi. W.).
†230930	♂	do	do	do	Nov. 30, 1922	Browning, Ill.
230931	♂	do	do	do	Dec. 19, 1922	Havana, Ill. (12 mi. S.).
230932	♂	do	do	do	Dec. 4, 1922	Bath, Ill. (8 mi. SW.).
230939	♀	do	do	do	Dec. 17, 1922	Bath, Ill. (4 mi. S.).
230952	♀	do	do	Nov. 27, 1922	Dec. 27, 1922	Bath, Ill. (12½ mi. S.).
230955	♀	do	do	do	Dec. 9, 1922	Reelfoot Lake, Tenn.
230962	♀	do	do	do	Dec. 14, 1922	Snicarte, Ill.
230964	♀	do	do	do	Dec. 26, 1922	Havana, Ill.
230970	♀	do	do	do	Dec. 1, 1922	Frederick, Ill. (4 mi. N.)
230972	♂	do	do	do	Nov. 30, 1922	Sangamon River, Ill.
230984	♀	do	do	do	Dec. 28, 1922	Seymour, Ill.
†230991	♂	do	do	Nov. 28, 1922	Nov. 29, 1922	Browning, Ill.
231004	♂	do	do	do	Dec. 7, 1922	Naples, Ill. (2 mi. S.).
†231009	♂	do	do	do	Dec. 25, 1922	Browning, Ill.
231011	♂	do	do	do	Dec. 13, 1922	Beardstown, Ill.
231016	♂	do	do	do	Nov. 30, 1922	Frederick, Ill.
231030	♀	do	do	do	May 12, 1923	Burnt Wood Lake, Saskatchewan.
†231033	♀	do	do	do	Nov. 28, 1922	Browning, Ill.
†231039	♀	do	do	do	do	Do.
231043	♂	do	do	do	Dec. 20, 1922	Bluff City, Ill.
231056	♂	do	do	do	Dec. 10, 1922	Crane Lake, Ill.
231059	♂	do	do	do	Dec. 7, 1922	Bath, Ill.
231062	♂	do	do	do	May 3, 1923[3]	Oxford House, Manitoba.
231068	♀	do	do	do	Dec. 30, 1922	Bath, Ill. (4 mi. S.).
231078	♀	do	do	do	Dec. 7, 1922	Beardstown, Ill.
231108	♂	do	do	Nov. 30, 1922	Dec. 9, 1922	Beardstown, Ill. (10 mi. NE.).
231115	♀	do	do	do	Dec. 25, 1922	Snicarte, Ill.
231121	♀	do	do	do	Jan. 10, 1923	Cash, Ark. (6½ mi. S.).
231124	♀	do	do	do	Dec. 19, 1922	Beardstown, Ill. (6 mi. NE.).
231127	♀	do	do	do	Dec. 27, 1922	Astoria, Ill.
231132	♂	do	do	Dec. 2, 1922	Dec. 16, 1922	Beardstown, Ill.
231141	♂	do	do	do	Dec. 26, 1922	Havana, Ill. (5 mi. NE.).
†231145	♂	do	do	do	Dec. 18, 1922	Browning, Ill.
231150	♂	do	do	do	Jan. 20, 1923	Lauderdale County, Ala.
231158	♂	do	do	do	Dec. 16, 1922	Beardstown, Ill.
231164	♀	do	do	do	Dec. 22, 1922	Crane Lake, Ill.
†231181	♀	do	do	do	Dec. 11, 1922	Browning, Ill. 1½ mi. SE.).
231198	♂	do	do	Dec. 3, 1922	Dec. 30, 1922	Frederick, Ill.
231202	♂	do	do	do	do	Beardstown, Ill. (7 mi. N.).
231217	♀	do	do	do	Dec. 29, 1922	Bath, Ill. (9 mi. S.).
†231227	♂	do	do	Dec. 4, 1922	do	Browning, Ill. (1½ mi. S.).
231240	♂	do	do	do	Jan. 8, 1923	Bradley County, Ark.
231253	♀	do	do	do	Dec. —, 1922	Crane Lake, Ill.
231262	♀	do	do	do	Dec. 13, 1922	Beardstown, Ill.
231265	♀	do	do	do	Dec. 20, 1922	Cass County, Ill.
231267	♀	do	do	do	Dec. 25, 1922	Bath, Ill.
231272	♀	do	do	do	Jan. 4, 1923	Bellville, Tex.

[3] Date approximate.

Mallard—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
231273	♀	F. C. Lincoln	Browning, Ill.	Dec. 4, 1922	Dec. 25, 1922	Snicarte, Ill. (½ mi. N.).
231278	♂	do	do	Dec. 5, 1922	Dec. 12, 1922	Crane Lake, Ill.
231281	♂	do	do	do	Dec. 10, 1922	Snicarte, Ill.
231283	♂	do	do	do	Jan. 27, 1923	Tilton, Ark.
†231288	♂	do	do	do	Nov. —, 1922[3]	Crane Lake, Ill.
231304	♀	do	do	do	Dec. 25, 1922	12 miles from Brinkley, Ark. (Cache R.).
231306	♀	do	do	do	Dec. 30, 1922	Maunie, Ill.
231309	♀	do	do	do	Dec. 8, 1922	Beardstown, Ill. (3 mi. NE.).
231310	♀	do	do	do	Dec. 13, 1922	Snicarte, Ill.
231314	♂	do	do	Dec. 6, 1922	Dec. 15, 1922	White River, Ark.
231315	♂	do	do	do	Dec. 17, 1922	Schuyler County, Ill.
231321	♂	do	do	do	Dec. 13, 1922	Snicarte, Ill.
231323	♂	do	do	do	Dec. 14, 1922	Crittenden County, Ark.
231325	♀	do	do	do	Dec. 28, 1922	Meredosia, Ill.
231326	♀	do	do	do	Dec. 20, 1922	Bath, Ill.
101682	♂	E. A. McIlhenny.	Avery Id., La.	Feb. 9, 1922	Aug. 17, 1922	Cumberland Lake, Saskatchewan.
101684	♂	do	do	Feb. 15, 1922	Dec. 16, 1922	New Harmony, Ind.
101690	♂	do	do	Feb. 9, 1922	Nov. 21, 1922	Avery Id., La.
101695	♂	do	do	do	Jan. 9, 1923	Do.
203305	♀	John Broeker[4]	Portage des Sioux, Mo.	Jan. 22, 1923	Apr. 29, 1923	The Pas, Manitoba (60 mi. E.).
203332	♂	do	do	Jan. 24, 1923	May 1, 1923	The Pas, Manitoba (8 mi. E.).
†203348	♀	do	do	Jan. 27, 1923	Mar. 6, 1923	Portage des Sioux, Mo
203365		do	do	Jan. 31, 1923	Jan. 29, 1923	Lonoke County, Ark.
203385	♂	do	do	do	May 1, 1923	Peace R., Alberta.[5]
†203409	♀	do	do	Feb. 3, 1923	Mar. 6, 1923	Portage des Sioux, Mo
203420	♂	do	do	do	Feb. 18, 1923	Gale, Ill.
203548	♀	do	do	Mar. 4, 1923	May 10, 1923	Reindeer R., Saskatchewan.
203683	♀	do	do	Mar. 24, 1923	May 16, 1923	Fish R., Saskatchewan.
101302		L. V. Walton[4]	Cuivre Id., Mo.	Jan. 7, 1922	Dec. 22, 1922	Holcomb, Miss.
101305		do	do	Jan. 8, 1922	Nov. 16, 1922	Devine, Ill.
101313		do	do	Jan. 7, 1922	Nov. 24, 1922	Bureau, Ill. (3 mi. S.).
101319		do	do	Jan. 11, 1922	Dec. 6, 1922	Old Monroe, Mo.
101320	♀	do	do	Nov. 21, 1921	Dec. 18, 1921	Treadway Lake, Ill.
101327		do	do	Jan. 7, 1922	Oct. 12, 1922[2]	Prince Albert, Saskatchewan (15 mi. NW.).
101328		do	do	Jan. 3, 1922	Jan. 27, 1922	Russell, Ark.
101329		do	do	Jan. 8, 1922	Dec. 26, 1922	Beaumont, Tex. (5 mi. S. W.).
101355		do	do	Jan. 7, 1922	Jan. 18, 1923	Van Buren, Ark. (5 mi. E.).
101365		do	do	Jan. 11, 1922	Sept. 30, 1922	Portage la Prairie, Manitoba (13 mi. N.).
101374		do	do	Jan. 8, 1922	Dec. 7, 1922	Clarendon, Ark. (7 mi. S.).
101376		do	do	Jan. 7, 1922	Nov. 12, 1922	Lake Williams, N. Dak.
101377		do	do	Jan. 8, 1922	Feb. 8, 1922	Morse Mill, Mo.
101388		do	do	Jan. 12, 1922	Sept. 16, 1922	Jamesville, S. Dak.
101391		do	do	Jan. 8, 1922	Nov. 27, 1922	Chesterfield, Mo.
101395		do	do	Jan. 7, 1922	Oct. 15, 1922	Ellendale, N. Dak.
101399		do	do	Jan. 8, 1922	Jan. 24, 1922	East St. Louis, Mo.

[2] Date approximate.
[3] An obvious error; return reported after the close of the hunting season; bird possibly killed illegally.
[4] Under direction of Joseph Pulitzer, of St. Louis, Mo.
[5] Between Forts Vermilion and Chipewyan.

Mallard—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
101962	-----	L. V. Walton	Cuivre Id., Mo.	Jan. 15, 1923	Jan. 31, 1923	Reelfoot Lake, Tenn.
101997	-----	do	do	do	May 3, 1923	Isle-a-la-Crosse, Saskatchewan (25 mi. NE.).
102006	♂	do	do	Jan. 19, 1922	Dec. 30, 1922	Meredosia, Ill.
102023	♂	do	do	do	Dec. 28, 1922	Apex, Mo.
102028	♀	do	do	Jan. 22, 1922	Dec. 6, 1922	Middletown, Iowa.
102036	♂	do	do	Jan. 30, 1922	Nov. 17, 1922	Salt River, Ralls County, Mo.
102039	♂	do	do	do	Nov. 24, 1922[2]	Appleton, Minn.
102040	-----	do	do	do	Jan. 13, 1923	Pulaski, Tenn.
102047	♂	do	do	do	Nov. 8, 1922	Mouth of Missouri River (1 mi. S.).
102049	♂	do	do	do	Nov. 24, 1922	Rock County, Wis.
102050	♂	do	do	do	Dec. 9, 1922	Grafton, Ill. (3 mi. N.).
102057	♀	do	do	do	Apr. 19, 1923	Wordsworth, Saskatchewan.
102067	♀	do	do	do	Dec. 13, 1922	Arkansas River (E. part Okla.).
102070	♂	do	do	Feb. 1, 1922	Dec. 20, 1922	St. Charles, Ark.
102072	♀	do	do	Feb. 12, 1922	Nov. 19, 1922	Coahoma County, Miss.
102075	♂	do	do	Feb. 16, 1922	Dec. 10, 1922	Webb City, Mo. (16 mi. NW.).
102087	♀	do	do	Feb. 21, 1922	Latter part of season, 1922.	Mount Vernon, Ind.
200103	♂	do	do	Feb. 22, 1922	Dec. 23, 1922	Sheldons Grove, Ill.
200105	♂	do	do	do	Dec. 29, 1922	Elk City, Okla. (15 mi. S.).
200110	♀	do	do	do	Nov. 28, 1922	Wagner, Okla.
200112	♂	do	do	Mar. 1, 1922	Nov. 18, 1922[2]	Alta Loma, Tex.
200119	♀	do	do	Mar. 4, 1922	Oct. 16, 1922	N. pt. Clearwater County, Minn.
200122	♂	do	do	do	Nov. 5, 1922	Herman, Minn. (3½ mi. SE.).
200123	♀	do	do	do	Dec. 14, 1922	Crowley, La. (18 mi. N.)
200124	♂	do	do	do	Feb. 3, 1923	Portage des Sioux, Mo.[6]
200136	♂	do	do	Jan. 6, 1923	Feb. 13, 1923	Do.[6]
200142	♀	do	do	Jan. 7, 1923	do	Do.[6]
200142	♀	do	do	do	Mar. 24, 1923[2]	Malden, Mo.
200179	♀	do	do	do	Feb. 24, 1923[2]	Jacob, Ill.
200208	-----	do	do	Jan. 8, 1923	May 19, 1923	Saint Brieux, Saskatchewan (8 mi. W.).
200263	-----	do	do	Jan. 10, 1923	Feb. 25, 1923	East Cairo, Ky.
200339	-----	do	do	do	Aug. 3, 1923	Lake la Plonge, Saskatchewan.
200355	-----	do	do	Jan. 11, 1923	July 4, 1923[2]	Cross Lake Post, Manitoba.
200373	-----	do	do	do	Jan. 18, 1923	Finley, Tenn.
200395	-----	do	do	do	Mar. 16, 1923	Momence, Ill. (5 mi. E.).
200417	-----	do	do	Jan. 12, 1923	May 1, 1923[2]	Sled Lake, Green Lake, Saskatchewan (20 mi. NE.).
200586	-----	do	do	Jan. 17, 1923	Feb. 10, 1923	Delaplaine, Ark.
200590	-----	do	do	do	Mar. 3, 1923	Claryville, Mo.
205251	♀	do	do	Feb. 2, 1923	Feb. 13, 1923	Portage des Sioux, Mo.[6]
205321	♀	do	do	Feb. 8, 1923	June 5, 1923[2]	Lake Winnipegosis, Manitoba.

[2] Date approximate.
[6] Trapped by John Broeker and again released.

Mallard—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
205330	♂	L. V. Walton	Cuivre Id., Mo.	Feb. 9, 1923	Mar. 17, 1923	Lilbourn, Mo.
205342	♂	do	do	do	Feb. 13, 1923	Portage des Sioux, Mo.[6]
205522	♂	do	do	Mar. 1, 1923	Mar. 25, 1923	Cuba, Mo.
205553	♀	do	do	Mar. 2, 1923	"Spring, 1923"	Duck Lake, Saskatchewan.
205590	♂	do	do	Mar. 4, 1923	Mar. 24, 1923	Crane Lake, Ill.
205592	♀	do	do	do	May 21, 1923	Rocklake, N. Dak.
205787	♂	do	do	Mar. 17, 1923	Apr. 9, 1923	Peruque, Mo.
205808	♂	do	do	Mar. 19, 1923	May 4, 1923	Summerberry River, Saskatchewan.
205840	♀	do	do	Mar. 20, 1923	Apr. 19, 1923	Pinehurst Lake, Alberta.
*36837	♀	A. A. Allen	Ithaca, N. Y.	Mar. 18, 1918	Sept. 6, 1920	Quill Lake, Saskatchewan.
*36839	♂	do	do	Apr. 18, 1918	Fall, 1919	Near Chamberlain, S. Dak.
*36840	♂	do	do	Mar. 18, 1918	Nov. 11, 1920	Grand Chenier, La.
*36845	♂	do	do	Apr. 8, 1918	Nov. 19, 1921	Lockport, La.
*36858	♀	do	do	Mar. 18, 1918	Sept. 25, 1920	Ferguson Flats, Alberta.
†*37425	♂	H. S. Osler	Lake Scugog, Ontario.	Sept. 25, 1922	Oct. 16, 1922	Lake Scugog, Ontario.
4616		do	do	Sept. 27, 1920	Dec. 4, 1920	Quitman County, Miss.
4640	♂	do	do	Sept. 30, 1920	Nov. 27, 1920	Wrightville Beach, N. C.
4697		do	do	Oct. 23, 1920	Nov. 7, 1920	Ceasarea, Ontario.
4698		do	do	do	Nov. 18, 1920	Do.
5101		do	do	Nov. 6, 1920	Dec. 6, 1920	Long Point Bay, Lake Erie, Ontario.
5103		do	do	do	Jan. 15, 1921	St. Andrews, Fla.
5104		do	do	do	Nov. 15, 1920	Port Rowan, Ontario.
5158		do	do	Sept. 12, 1921	Nov. 11, 1922	Toledo, Ohio (2½ mi. E.).
5159		do	do	do	Oct. 4, 1921	Durham County, Ontario.
101180		do	do	Aug 22, 1922	Sept. 2, 1922	Orillia, Ontario.
†101258		do	do	Aug. 29, 1922	Oct. 10, 1922	Lake Scugog, Ontario.
101259		do	do	do	Oct. 19, 1922	Ottawa County, Ohio.
228442	♀	do	do	Oct. 7, 1922	Nov. 9, 1922	Fort Valley, Ga. (6 mi. N.).
228624		do	do	Oct. 21, 1922	Feb. 10, 1923	Blaney, S. C.
202420	im	H. L. Felt[7]	Findlater, Saskatchewan.	Sept. 3, 1922	Nov. 25, 1922	Cataro, La. (3 mi. N.).

Mallard×Black Duck: *Anas platyrhyncha×A. rubripes*

102588	♂	F. C. Lincoln	Browning, Ill.	Mar. 10, 1922	Dec. 17, 1922	Cove, Tex.
5118		H. S. Osler	Lake Scugog, Ontario.	Aug. 27, 1921	Oct. 20, 1921	Niagara-on-the-Lake, Ontario.

[6] Trapped by John Broeker and again released.
[7] Under direction of Fred Bradshaw, of Regina, Saskatchewan.

Black Duck: *Anas rubripes*

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
102907	-----	H. K. Job-----	Amston, Conn--	Oct. 11, 1922	Jan. 1, 1923	Matthews County, Va.
102916	-----	-----do-----	-----do-----	Oct. 14, 1922	Dec. 7, 1922	Essex, Conn.
102921	-----	-----do-----	-----do-----	Oct. 12, 1922	Dec. 31, 1922	Riverhead, N. Y.
102938	-----	-----do-----	-----do-----	Oct. 10, 1922	Jan 30, 1923[2]	Peletier, N. C.
102953	-----	-----do-----	-----do-----	Oct. 19, 1922	Jan. 15, 1923	Hog Island Bay, Va.
102966	-----	-----do-----	-----do-----	-----do-----	Dec. 15, 1922	Do.
102984	♀	-----do-----	-----do-----	Nov. 13, 1922	Nov. 22, 1922	Flanders, Long Island, N. Y.
102990	-----	-----do-----	-----do-----	Oct. 14, 1922	Dec. 19, 1922	Back Bay, Va.
102445	♂	F. C. Lincoln-	Browning, Ill---	Mar. 7, 1922	Dec. 25, 1922[2]	Beardstown, Ill.
102450	♀	-----do-----	-----do-----	-----do-----	Nov. 27, 1922	La Salle, Ill.
102850	♂	-----do-----	-----do-----	Mar. 14, 1922	Dec. 25, 1923	Sheldons Grove, Ill.
230234	♂	-----do-----	-----do-----	Nov. 19, 1922	Nov. 20, 1922	Beardstown, Ill. (7 mi. N.).
230236	♂	-----do-----	-----do-----	-----do-----	Dec. —, 1922	Beardstown, Ill.
230338	♀	-----do-----	-----do-----	Nov. 20, 1922	Dec. 9, 1922	Crane Lake, Ill.
230486	♀	-----do-----	-----do-----	Nov. 22, 1922	Nov. 28, 1922	Do.
†230487	♀	-----do-----	-----do-----	-----do-----	Nov. 27, 1922	Browning, Ill.
230568	♀	-----do-----	-----do-----	-----do-----	Jan. 25, 1923	Fisher, Ark. (7 mi. E.).
230907	♀	-----do-----	-----do-----	Nov. 26, 1922	Nov. 29, 1922	Beardstown, Ill. (7 mi. NE.).
230912	♂	-----do-----	-----do-----	-----do-----	Dec. 27, 1922	Bath, Ill.
†231087	♂	-----do-----	-----do-----	Nov. 28, 1922	Dec. 12, 1922	Browning, Ill.
231220	♂	-----do-----	-----do-----	Dec. 3, 1922	Nov. —, 1922[3]	Crane Lake, Ill.
231249	♂	-----do-----	-----do-----	Dec. 4, 1922	Dec. 10, 1922	Sheldons Grove, Ill.
100851	♂	Frank Thompson.[4]	Bar Harbor, Me.	Oct. 17, 1921	Jan. 3, 1922	Cape May, N. J.
100852	♂	-----do-----	-----do-----	-----do-----	Nov. 1, 1921	Franklin, Me.
100854	♂	-----do-----	-----do-----	-----do-----	Jan. 7, 1922	Moriches, Long Island, N. Y.
100862	♂	-----do-----	-----do-----	Oct. 21, 1921	Oct. 24, 1921[2]	Franklin, Me.
100867	♀	-----do-----	-----do-----	Oct. 17, 1921	Nov. 15, 1921	Franklin Bay, Me.
100868	♀	Joseph Pulitzer.	Lake Naraguagus, near Franklin, Me.	Sept. 26, 1921	Jan 31, 1922	Cape May, N. J.
100870	-----	Frank Thompson.[4]	Bar Harbor, Me.	Oct. 17, 1921	Oct. 22, 1921	Franklin, Me.
100876	♀	-----do-----	-----do-----	-----do-----	Oct. 29, 1921	Do.
100882	♀	-----do-----	-----do-----	-----do-----	Dec. 14, 1921	Ellsworth, Me.
100891	♀	Joseph Pulitzer.	Lake Naraguagus, near Franklin, Me.	Sept. 30, 1921	Oct. 8, 1921	Franklin, Me.
†100895	♂	-----do-----	-----do-----	Sept. 26, 1921	Sept. 27, 1921	Lake Naraguagus, near Franklin, Me.
100896	♀	-----do-----	-----do-----	-----do-----	Jan. 5, 1922	Silva, Va.
100897	♀	Frank Thompson.[4].	Bar Harbor, Me.	Oct. 17, 1921	Dec. 2, 1921	Skillings River, Me.
100898	♂	Joseph Pulitzer.	Lake Naraguagus, near Franklin, Me.	Sept. 26, 1921	Oct. —, 1921	Hancock County, Me.
†101075	-----	Frank Thompson.[4]	-----do-----	Sept. 24, 1922	Oct. 16, 1922	Franklin, Me.
101078	♀	-----do-----	Bar Harbor, Me.	Oct. 21, 1921	Jan. 30, 1922	Chester River, Md. (mouth).

[2] Date approximate.

[3] An obvious error; reported after the close of the hunting season; bird possibly killed illegally.

[4] Under direction of Joseph Pulitzer, of St. Louis, Mo.

Black Duck—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
101088	♀	Joseph Pulitzer.	Spring Run Pond, Hancock County, Me.	Oct. 10, 1922	Oct. 16, 1922	Franklin, Me.
228007		do	do	Oct. 31, 1922	Dec. 14, 1922	Harrington, Me.
228009		do	do	do	Nov. 1, 1922	Eastbrook, Me.
228014		do	do	do	Nov. 6, 1922	Tunk Pond, Me.
228016		do	do	do	Nov. 3, 1922	Eastbrook, Me.
228017		do	do	do	Jan. 16, 1923	Chincoteague, Va. (1 mi. N.).
228021		do	do	do	Nov. 6, 1922	Tunk Pond, Me.
228033		do	do	do	do	Do.
228042		do	do	Nov. 6, 1922	do	Do.
228046		do	do	Oct. 31, 1922	do	Do.
228052		do	do	Oct. 17, 1922	Nov. 15, 1922	Webbs Pond, Me.
228060		do	do	Oct. 20, 1922	Nov. 6, 1922	Tunk Pond, Me.
228078		do	do	Oct. 15, 1922	do	Do.
228083	♂	do	do	Oct. 18, 1922	Nov. 10, 1922	Do.
228089	♀	do	do	Oct. 20, 1922	Nov. 28, 1922	Gouldsboro, Me.
228092	♂	do	do	do	Oct. 28, 1922	Eastbrook, Me.
228098		do	do	do	Nov. 28, 1922	Gouldsboro, Me.
228101		do	do	do	Dec. 28, 1922	Eastern Shore of Va. (opp. Eastville Station).
228111		do	do	do	Jan. 30, 1923	Great Bay, Island Beach, N. J.
228113		do	do	do	Nov. 7, 1922	Tunk Pond, Me.
228114		do	do	do	Nov. 18, 1922	Ocean City, Md. (1½ mi. NW.).
228115	♀	do	do	do	Nov. 8, 1922	Barnegat City, N. J.
228116		do	do	do	Oct. 16, 1922	Franklin, Me.
228120		do	do	do	Nov. 4, 1922	Tunk Pond, Me.
228126	♂	do	do	do	Dec. 26, 1922	Sorrento, Me.
228132	♀	do	do	do	Oct. 27, 1922	Eastbrook, Me.
228138		do	do	Oct. 24, 1922	Nov. 7, 1922	Tunk Pond, Me.
228147	♀	do	do	Oct. 20, 1922	Dec. 5, 1922	East Brewster, Me.
228152		do	do	Oct. 30, 1922	Nov. 3, 1922	Eastbrook, Me.
228166		do	do	do	Nov. 1, 1922	North Hancock, Me.
228167		do	do	Oct. 31, 1922	Dec. 14, 1922	Metompkin Bay, Eastern Shore, Va.
228172		do	do	Oct. 27, 1922	Nov. 11, 1922	Tunk Pond, Me.
228177		do	do	do	Nov. 7, 1922	Do.
228180		do	do	Oct. 28, 1922	Nov. 6, 1922	Do.
228185		do	do	Oct. 27, 1922	Nov. 1, 1922	Eastbrook, Me.
228196		do	do	Oct. 30, 1922	Nov. 10, 1922	Tunk Pond, Me.
101393		L. V. Walton[4]	Cuivre Island, Mo.	Jan. 11, 1922	Dec. —, 1922	Beardstown, Ill.
102035		do	do	Jan. 30, 1922	Dec. 10, 1922	Batchtown, Ill.
200284		do	do	Jan. 10, 1923	May 4, 1923	Post, on Ogoki River, Ontario.
101811	♂	A. A. Allen	Ithaca, N. Y.	Jan. 19, 1923	Apr. 28, 1923	Parry Sound, Georgian Bay, Ontario (16 mi. E.).
10505	juv.	R. W. Tufts	Seal Island, Nova Scotia.	June 8, 1922	Nov. 8, 1922	Yarmouth County, Nova Scotia.
†10509	juv.	do	do	do	Aug. 26, 1922	Seal Island, Nova Scotia.
*36903		H. S. Osler	Lake Scugog, Ontario.	Aug. 31, 1918	Mar. 31, 1921	Curve Lake, Ontario.
*36920		do	do	Oct. 15, 1918	Apr. 26, 1920	Ellis Bay, Quebec.

[4] Under direction of Joseph Pulitzer, of St. Louis, Mo.

Black Duck—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
*36974		H. S. Osler	Lake Scugog, Ontario.	Sept. 9, 1919	Sept. 15, 1920	Peterborough, Ontario.
*36986		do	do	Sept. 10, 1918	Dec. 22, 1920	Townsend, Va.
*37326		do	do	Oct. 1, 1921	Jan. 30, 1923	Lake Providence, La.
*37330		do	do	do	Oct. 17, 1921	Brechin, Ontario.
†*37338		do	do	Oct. 3, 1921	Nov. 2, 1921	Lake Scugog, Ontario.
*37340		do	do	do	Oct. 22, 1921	Kent County, Del.
*37341	♂	do	do	do	Nov. 23, 1921	Toledo, Ohio.
*37342		do	do	do	Nov. 17, 1921	Pontiac, Mich.
*37348		do	do	do	Nov. 13, 1921	East St. Louis, Ill.
*37350		do	do	do	Feb. 20, 1922	Cartersville, Ga.
*37362		do	do	Oct. 5, 1921	Jan. 17, 1922	Havre de Grace, Md.
*37367		do	do	do	Oct. 13, 1921	Big Rice Bay, Ontario.
*37368		do	do	Oct. 8, 1921	Nov. 3, 1921	Port Clinton, Ohio.
*37369		do	do	Oct. 3, 1921	Winter, 1922	North Louisiana.
*37385		do	do	Oct. 12, 1921	Oct. —, 1921	Port Rowan, Ontario.
*37406		do	do	Sept. 24, 1922	Dec. 10, 1922	South Santee River, S.C.
*37410		do	do	do	Jan. 22, 1923	Chicamuxen Creek, Charles County, Md.
*37433		do	do	Sept. 25, 1922	Nov. 10, 1922	Hog Island, Va.
*37440		do	do	do	Nov. 30, 1922	Havana, Ill.
*37443		do	do	do	Nov. 3, 1922	Onancock, Va. (7 mi. N. W.).
*37455		do	do	do	Dec. 27, 1922	S. E. corner of Mississippi, 2 mi. from Alabama State line.
*37465		do	do	Sept. 26, 1922	Jan. 16, 1923	Tuscaloosa County, Ala.
*37469		do	do	do	Feb. 4, 1923 [2]	Deals Island, Somerset County, Md.
*37470		do	do	do	Dec. 1, 1922 [2]	Clermont County, Ohio.
†*37474		do	do	do	Oct. 27, 1922	Lake Scugog, Ontario.
*37475		do	do	do	Jan. 22, 1923	Delaware River, Allowarp Creek, N. J.
*37478		do	do	do	Oct. 23, 1922	Bay of Quinte, Ontario.
†*37482		do	do	do	Oct. 15, 1922	Lake Scugog, Ontario.
*37486		do	do	do	Dec. 20, 1922	Strathmere, N. J.
*37497		do	do	Sept. 27, 1922	Nov. 11, 1922	Havre de Grace, Md. (15 mi. S.).
*37498		do	do	do	Dec. 23, 1922	Speonk, Long Island, N. Y.
4503		do	do	Sept. 3, 1920	Jan. 2, 1922	Near Saxis, Va.
4505		do	do	do	Oct. 21, 1921	Hudson, S. Dak. (2 mi. S.).
†4506		do	do	do	Sept. 3, 1920	Lake Scugog, Ontario.
4508		do	do	do	Nov. 8, 1921	Peterboro, Ontario.
4518		do	do	Sept. 9, 1920	Nov. 16, 1920	Port Clinton, Ohio.
4519		do	do	do	Nov. 16, 1920	Normandale, Ontario.
4524		do	do	Sept. 14, 1920	Dec. 7, 1920	Gueydon, La.
4525		do	do	do	Nov. 2, 1920	Hay Bay, Ontario.
4526		do	do	do	Oct. 25, 1921 [2]	Sandbanks, Ontario. (?)
4542		do	do	Sept. 15, 1920	Apr. 20, 1922	Lake Temiscaming, Quebec.
4543		do	do	do	Jan. 1, 1921	Jamestown, Va.
4549		do	do	do	Dec. 28, 1920	Owensboro, Ky.
4564		do	do	Sept. 17, 1920	Fall, 1921	Lake Scugog, Ontario.
4568		do	do	Sept. 18, 1920	Jan. 29, 1921	Bull's Island, S. C.
4570		do	do	do	Jan. 13, 1921	Georgetown, S. C.

[2] Date approximate.

Black Duck—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
4573	-----	H. S. Osler---	Lake Scugog, Ontario.	Sept. 19, 1920	Nov. 9, 1921	Long Point, Lake Erie, Ontario.
4581	-----	-----do-----	-----do-----	Sept. 24, 1920	Nov. 19, 1920	Melton, Indiana.
4587	-----	-----do-----	-----do-----	-----do-----	Oct. 1, 1921	Orillia, Ontario.
4592	-----	-----do-----	-----do-----	-----do -----	Nov. 29, 1920	Mouth of Econfina River, Fla.
4596	-----	-----do-----	-----do-----	Sept. 25, 1920	Dec. 17, 1921	Oakley, S. C.
4597	-----	-----do-----	-----do-----	-----do-----	Nov. 26, 1920	Palestine, Tex.
4598	-----	-----do-----	-----do-----	-----do-----	Feb. 5, 1921	Meltonsville, Ala.
4602	-----	-----do-----	-----do-----	-----do-----	Oct. 18, 1920	Cape Fear River, N. C.
4606	-----	-----do-----	-----do-----	-----do-----	Fall, 1922	Pearl Beach, Mich.
4610	-----	-----do-----	-----do-----	Sept. 26, 1920	Nov. 4, 1920	Caesarea, Ontario.
4611	-----	-----do-----	-----do-----	-----do-----	Nov. 23, 1920	Summerville, Tenn.
4612	-----	-----do-----	-----do-----	-----do-----	Nov. 19, 1920	Henderson, Ky.
4629	-----	-----do-----	-----do-----	Sept. 27, 1920	Nov. 16, 1921	Tybee Island, S. C.
4630	-----	-----do-----	-----do-----	Sept. 20, 1920	Nov. 20, 1920	Mouth of St. Clair River, Ontario.
4637	-----	-----do-----	-----do-----	Sept. 29, 1920	Feb. 21, 1921 [1]	Barnwell, S. C.
4645	-----	-----do-----	-----do-----	Sept. 30, 1920	May —, 1921	Albany, Ontario.
4646	-----	-----do-----	-----do-----	-----do-----	Nov. 28, 1921	Rock Hall, Md.
4650	-----	-----do-----	-----do-----	Oct. 1, 1920	Nov. 11, 1921	Havre de Grace, Md.
†4656	-----	-----do-----	-----do-----	-----do-----	Oct. 23, 1920	Lake Scugog, Ontario.
4659	-----	-----do-----	-----do-----	-----do-----	Dec. 16, 1922	Salem, N. J.
4664	-----	-----do-----	-----do-----	Sept. 18, 1920	Nov. 7, 1921	Rock Hall, Md.
4668	-----	-----do-----	-----do-----	Sept. 19, 1920	Nov. 12, 1920	Lake St. Clair Flats, Ontario.
4670	-----	-----do-----	-----do-----	Sept. 18, 1920	Nov. 15, 1920	Rice Lake, Ontario.
4674	-----	-----do-----	-----do-----	-----do-----	Oct. 30, 1920	Peterborough, Ontario (15 mi. N.).
4685	-----	-----do-----	-----do-----	Oct. 4, 1920	Nov. 25, 1922 [1]	Savannah, Ga.
4687	-----	-----do-----	-----do-----	-----do-----	Nov. 1, 1921	San Souci Island, Georgian Bay, Ontario.
4688	♀	-----do-----	-----do-----	-----do-----	Nov. 23, 1920	Seyppel, Ark.
4734	-----	-----do-----	-----do-----	Sept. 18, 1921	Dec. 25, 1922	Clarksville, Tenn.
4740	-----	-----do-----	-----do-----	Sept. 19, 1921	Dec. 3, 1921	Crawfordsville, Ind.
4742	-----	-----do-----	-----do-----	-----do-----	Oct. 12, 1921	Long Point, Ontario.
4745	-----	-----do-----	-----do-----	-----do-----	Dec. 6, 1921	Long Point Bay, Ontario.
4747	-----	-----do-----	-----do-----	-----do-----	Dec. 28, 1921	Williamsburg, Va. (13 mi. NW.).
4758	-----	-----do-----	-----do-----	-----do-----	Nov. 14, 1921	Port Rowan, Ontario.
4761	-----	-----do-----	-----do-----	-----do-----	Oct. 7, 1921	Port Perry, Ontario.
4765	-----	-----do-----	-----do-----	-----do-----	Nov. 18, 1921	Lake Scugog, Ontario (5 mi. N.)
4769	-----	-----do-----	-----do-----	-----do-----	Dec. 7, 1921	Port Rowan, Ontario.
4771	-----	-----do-----	-----do-----	-----do-----	Dec. 2, 1921	New Castle, Del.
4773	-----	-----do-----	-----do-----	-----do-----	Nov. 11, 1921	Woodford Co., Ill.
4780	-----	-----do-----	-----do-----	Sept 20, 1921	Jan. 2, 1922	Stony Brook Harbor, N. Y.
4783	-----	-----do-----	-----do-----	-----do-----	Nov. 12, 1922	Pomeroy, Iowa.
4786	-----	-----do-----	-----do-----	-----do-----	Nov. 8, 1921	Clear Creek, Ontario.
4787	-----	-----do-----	-----do-----	-----do-----	Nov. 26, 1921	Toronto, Ontario (20 mi. E.).
4789	-----	-----do-----	-----do-----	-----do-----	Nov. 10, 1921	Rockwood, Mich.
4796	-----	-----do-----	-----do-----	-----do-----	Dec. 19, 1921	Rockford, Ohio (3 mi. E.).
4800	-----	-----do-----	-----do-----	Sept. 23, 1921	Fall, 1921	Belleville, Ontario.
†4804	-----	-----do-----	-----do-----	Sept. 22, 1921	-----do-----	Lake Scugog, Ontario.
†4810	-----	-----do-----	-----do-----	-----do-----	-----do-----	Do.

[1] Date approximate.

Black Duck—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
4815		H. S. Osler	Lake Scugog, Ontario.	Sept. 25, 1921	Oct. 29, 1921	Lake Katchawannooka, Ontario.
4822		do	do	Sept. 26, 1921	Oct. 22, 1921	Hamilton, Ontario.
4884		do	do	Sept. 29, 1921	Nov. 12, 1921	Hardyville, Ky.
4888		do	do	do	Oct. 13, 1921	Marmora, Ontario.
4892		do	do	do	Nov. 10, 1921	Henry, Tenn.
4893		do	do	do	Dec. 11, 1922	Poplar Branch, N. C.
4895		do	do	do	Nov. 5, 1921	Mouth of Mississippi River, La.
5162		do	do	Sept. 12, 1921	Nov. 7, 1921	Fenelon Falls, Ontario.
5169		do	do	Sept. 14, 1921	Nov. 2, 1921	Hay Bay, Lake Ontario, Ontario.
5181		do	do	do	Nov. 9, 1921	Cookstown, Ontario.
5195		do	do	Sept. 16, 1921	Nov. 6, 1922	Long Point, Lake Erie, Ontario.
5196		do	do	do	Dec. 4, 1921	Alexandria, La. (20 mi. NE.).
101102		do	do	Oct. 16, 1921	Jan. 3, 1922	Saxis, Va.
101124		do	do	Oct. 23, 1921	Nov. 2, 1922	St. Clair Flats, Ontario.
101131		do	do	Aug. 18, 1922	Nov. 18, 1922	Strawberry Island, Niagara River, N. Y.
101138		do	do	Aug. 20, 1922	do	Rockford, Mich. (3 mi. S.).
101140		do	do	do	Oct. 24, 1922	Woodville, N. Y.
101146		do	do	do	Oct. 13, 1922	Waubaushene, Ontario.
101184		do	do	Aug. 23, 1922	Nov. 6, 1922	Saginaw, Mich.
101189		do	do	do	Oct. 23, 1922	Peterboro, Ontario (10 mi. NW.).
101191		do	do	Aug. 24, 1922	Oct. 29, 1922	Henry, Ill.
101196		do	do	do	Dec. 4, 1922	Taylor County, Fla.
101226		do	do	Aug. 26, 1922	Jan. 11, 1923	Accomac County, Va.
101233		do	do	Aug. 27, 1922	Dec. 3, 1922	Bayou Biloxi, La.
101245		do	do	Aug. 28, 1922	Dec. 19, 1922	Reelfoot Lake, Tenn.
101270		do	do	Aug. 31, 1922	Nov. 27, 1922	Port Clinton, Ohio.
101276		do	do	do	Oct. 26, 1922	Sandusky Marshes, Ohio.
101277		do	do	do	Nov. 15, 1922	Wachapreague, Va.
101280		do	do	do	Oct. 13, 1922	Fremont, Ohio.
101283		do	do	do	Dec. 14, 1922	Houma, La. (4 mi. SE.).
101284		do	do	do	Nov. 3, 1922	Port Penn, Del.
101293		do	do	Sept 1, 1922	Dec. 23, 1922	Mouth of Bohemia River, Md.
101298		do	do	do	Dec. 1, 1922[2]	Kent County, Md.
101300		do	do	do	Dec. 5, 1922	Sweet Hall, Va.
202527		do	do	Nov. 24, 1922	Nov. 27, 1922	Salamanca, N. Y.
207504		do	do	Sept. 2, 1922	Nov. 9, 1922	Lake St. Clair, Ontario.
207505		do	do	do	Oct. 20, 1922	Pigeon Lake, Ontario.
207521		do	do	Sept. 4, 1922	Jan. 25, 1923	Kent Island, Md.
207529		do	do	Sept. 5, 1922	Jan. —, 1923	Wilmington, Del. (25 mi. S.).
207530		do	do	Sept. 6, 1922	Jan. 11, 1923	Kent Island, Md.
207531		do	do	do	Dec. 21, 1922	Currituck County, N. C.
†207548		do	do	Sept. 10, 1922	Oct. 26, 1922	Lake Scugog, Ontario.
207623		do	do	Sept. 16, 1922	Nov. 14, 1922	Port Clinton, Ohio.
207634		do	do	Sept. 18, 1922	Nov. 21, 1922	Ashley County, Ark.
207635		do	do	do	Oct. 10, 1922	Coldwater, Ontario.
207644		do	do	Sept. 19, 1922	Nov. 17, 1922	Dunn, N. C.
207665		do	do	do	Dec. 6, 1922	Sandusky County, Ohio.
207666		do	do	do	Jan. 23, 1923	Franklin City, Va.
207667		do	do	do	Jan. 18, 1923	Chincoteague, Va.

[2] Date approximate.

Black Duck—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
207735	.....	H. S. Osler	Lake Scugog, Ontario.	Sept. 21, 1922	Oct. 18, 1922	Green Creek, N. J.
†207741	.....	do	do	do	Oct. 10, 1922	Lake Scugog, Ontario
207745	.....	do	do	do	Oct. 29, 1922	Pindell, Md.
207747	.....	do	do	do	Oct. 19, 1922	Hay Bay, Ontario.
207755	.....	do	do	Sept. 22, 1922	Dec. 21, 1922	Dorchester County, Md.
207762	.....	do	do	do	Nov. 23, 1922	Bayou Meto, Ark.
207766	.....	do	do	do	Nov. 19, 1922	Henry, Ill.
207767	.....	do	do	do	Dec. 15, 1922	Cedar Island Beach, Va.
207772	.....	do	do	do	Nov. 24, 1922	Port Rowan, Ontario
207781	.....	do	do	do	Nov. 10, 1922	Knotts Island, N. C.
207784	.....	do	do	Sept. 23, 1922	May 8, 1923[1]	Algoma, Ontario.
207788	.....	do	do	do	Jan. 20, 1923[1]	Ocklocknee River, Fla.
207790	.....	do	do	do	Dec. 12, 1922	Stormy Point, N. J.
207791	.....	do	do	do	Jan. 11, 1923	Mouth of South Santee River, S. C.
207794	.....	do	do	do	Nov. 4, 1922	Rice Lake, Ontario.
207901	.....	do	do	Sept. 27, 1922	Dec. 1, 1922[1]	Presque Isle Bay, north shore Lake Ontario, Ontario.
207902	.....	do	do	do	Jan. 25, 1923	Kent Island, Md.
207906	.....	do	do	do	Dec. 7, 1922	Hog Island Bay, Va.
207908	.....	do	do	do	Nov. 6, 1922	Long Point, north shore Lake Erie, Ontario.
207911	.....	do	do	do	Nov. 13, 1922	Fishing Bay, Dorchester County, Md.
207925	.....	do	do	Sept. 28, 1922	Jan. 24, 1923	Lower Peach Tree, Ala.
207927	.....	do	do	do	Dec. 23, 1922	Bombay Hook, Del.
207929	.....	do	do	do	Nov. 21, 1922	Saugatuck, Mich. (18 mi. SE.).
207935	.....	do	do	Sept. 29, 1922	Dec. 21, 1922	Currituck Shooting Club, N. C.
207940	.....	do	do	Sept. 30, 1922	Nov. 21, 1922	Far Bay, Md.
207943	.....	do	do	do	Nov. 10, 1922	Potomac Creek, Va.
207946	.....	do	do	do	Nov. 23, 1922	St. Clair Flats, Mich.
207954	.....	do	do	Oct. 1, 1922	Jan. 10, 1923	Point Auber, La.
207955	.....	do	do	do	Nov. 11, 1922	Mud Lake, Ontario.
207957	.....	do	do	do	Oct. 25, 1922	Brighton, Ontario.
207961	.....	do	do	do	Oct. 20, 1922	Bono, Ohio.
†207968	.....	do	do	Oct. 2, 1922	Oct. 26, 1922	Lake Scugog, Ontario.
†207978	.....	do	do	do	Oct. 10, 1922	Do.
207980	.....	do	do	do	Nov. 15, 1922	Georgian Bay, Ontario.
207982	.....	do	do	do	Dec. 12, 1922	Houma, La. (15 mi. S.).
207989	.....	do	do	Oct. 3, 1922	Oct. 28, 1922	Zephyr, Ontario.
†207991	.....	do	do	do	Nov. 6, 1922	Lake Scugog, Ontario.
207994	.....	do	do	do	Dec. 1, 1922	Monroe, Mich. (about 20 mi. N.).
228406	.....	do	do	Oct. 6, 1922	Feb. 1, 1923	Charles City, Va.
228408	.....	do	do	do	Oct. 12, 1922	Rice Lake, Ontario.
228412	.....	do	do	Oct. 7, 1922	Dec. 12, 1922	Snow Lake, Ark. (5 mi. W.).
228420	.....	do	do	do	Nov. 5, 1922	Orland, Ind.
228421	.....	do	do	do	Jan. 10, 1923	Upper Chester River, Md.
†228429	.....	do	do	do	Oct. 15, 1922	Lake Scugog, Ontario.
228434	.....	do	do	do	Jan. 22, 1923	Gillette, Ark.
228436	.....	do	do	do	Nov. 7, 1922	Belleville, Ontario. (12 mi. E.).
†228440	.....	do	do	do	Oct. 16, 1922	Lake Scugog, Ontario.

[1] Date approximate.

Black Duck—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
228450	-----	H. S. Osler	Lake Scugog, Ontario.	Oct. 8, 1922	Jan. 2, 1923	Big Spring, Ky.
228454	-----	do	do	do	Jan. 1, 1923	Matagorda Bay, Tex.
228456	-----	do	do	do	Dec. 28, 1922	Hog Island Bay, Va.
228457	-----	do	do	do	Jan. 6, 1923	Nanticoke River, Md.
228458	-----	do	do	do	Dec. 29, 1922	Stevenson, Ala.
228461	-----	do	do	do	Nov. 20, 1922	"Canadian Marsh," Mich.
228467	-----	do	do	do	Nov. 10, 1922 [2]	Tilbury, Ontario (3 mi N.).
228471	-----	do	do	do	Dec. 28, 1922	Fort Mott, N. J.
†228480	-----	do	do	do	Oct. 15, 1922	Lake Scugog, Ontario.
228482	-----	do	do	do	Oct. 27, 1922	Massillon, Ohio (8 mi. N.).
†228487	-----	do	do	do	Oct. 16, 1922	Lake Scugog, Ontario.
228499	-----	do	do	Oct. 10, 1922	Nov. 20, 1922	Currituck Sound, N. C.
228500	-----	do	do	do	Nov. 13, 1922	Belleville, Ontario (12 mi. E.).
228502	-----	do	do	do	Jan. 17, 1923	Savannah, Ga.
228519	-----	do	do	do	Oct. 16, 1922	Catskill, N.Y. (1 mi. N.).
228529	-----	do	do	Oct. 13, 1922	Nov. 10, 1922	Long Point, Ontario.
228537	-----	do	do	do	Nov. —, 1922	South Fork of Halston River, Va.
228541	-----	do	do	do	Oct. —, 1922	Thirty Thousand Islands, Ontario.
†228544	-----	do	do	do	Oct. 20, 1922	Lake Scugog, Ontario.
228450	-----	do	do	do	Nov. 11, 1922	Aberdeen Proving Ground, Md.
228555	-----	do	do	Oct. 16, 1922	Nov. 30, 1922	Toledo, Ohio (30 mi. E.).
†228562	-----	do	do	do	Oct. 16, 1922	Lake Scugog, Ontario.
228566	-----	do	do	do	Jan. 1, 1923	Boque Sound, N. C.
†228567	-----	do	do	Oct. 20, 1922	Nov. —, 1922	Lake Scugog, Ontario.
228578	-----	do	do	do	Nov. 3, 1922	Scugog River, Ontario.
228582	-----	do	do	do	Dec. 4, 1922 [2]	Savannah, Ga.
228590	-----	do	do	do	Nov. 23, 1922	Thomasville, Ga. (20 mi. S.).
†228598	-----	do	do	do	Oct. 25, 1922	Lake Scugog, Ontario.
†228604	-----	do	do	Oct. 21, 1922	Nov. 6, 1922	Do.
228608	-----	do	do	do	Nov. 26, 1922	Waynesboro, Ga.
228623	♀	do	do	do	Dec. 23, 1922	Reydel, Ark.
228670	-----	do	do	Nov. 6, 1922	Nov. 25, 1922	Dunnville, Ontario.
228680	-----	do	do	Nov. 11, 1922	Dec. 7, 1922	Gray Court, S. C.
228692	-----	do	do	Nov. 13, 1922	Dec. 10, 1922 [2]	Pine Brook, N. J.
228699	-----	do	do	Nov. 16, 1922	Nov. 20, 1922	Point Breese, Orleans County, N. Y.

Gadwall: *Chaulelasmus streperus*

504301	-----	E. A. McIlhenny.	Avery Island, La.	Dec. 13, 1922	Jan. 4, 1923	St. Marys Parish, La.
504309	-----	do	do	do	Jan 10, 1923	Delcambre, La.
†202473	-----	J. C. Silver	Unity, Saskatchewan.	Aug. 15, 1922	Sept. 23, 1922	Unity, Saskatchewan.
202474	-----	do	do	Aug. 17, 1922	Nov. 16, 1922	Randall County, Tex.[3]

[2] Date approximate.

[3] Shot and wing broken but reported as alive and receiving care from the hunter.

Green-winged Teal: *Nettion carolinense*

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
†5040	-----	O. J. Murie	Fairbanks, Alaska.	Aug. 8, 1921	Sept. 1, 1921	Fairbanks, Alaska (5 mi. W.).
*43070	♀	E. A. McIlhenny.	Avery Island, La.	Mar. 4, 1922	Nov. 6, 1922	Pekin, Ill. (1½ mi. N.).
*43080	♂	do	do	do	June 1, 1923	Lac La Ronge, Saskatchewan.
*43098	♂	do	do	Mar. 16, 1922	Nov. 11, 1922	McHenry, N. Dak.
*43110	♂	do	do	Feb. 12, 1917	Apr. 28, 1920	Badger, Minn.
101461	♀	do	do	Mar. 4, 1922	Nov. 21, 1922	Avery Island, La.
101489	♂	do	do	do	Oct. 17, 1922	Herman, Minn. (9 mi. N.).
101499	♂	do	do	do	Jan. 28, 1923	Near Basile, La.
102223	♀	do	do	Mar. 21, 1922	Sept. 26, 1922	Platte County, Nebr.
504054	-----	do	do	Nov. 16, 1922	Jan. 20, 1923	Elton, La.
504258	-----	do	do	Nov. 28, 1922	Dec. 28, 1922	Iberia Parish, La.
504263	-----	do	do	Dec. 12, 1922	Dec. 12, 1922	Lafayette, La.
504269	-----	do	do	do	Jan. —, 1923	Derouen P. O., La.
504321	-----	do	do	Dec. 15, 1922	Jan. 20, 1923	Belair, La.
504334	-----	do	do	do	Jan. 18, 1923	Gueydan, La.
504388	-----	do	do	Dec. 21, 1922	Jan. 3, 1923	Jefferson Island, La.
504441	-----	do	do	Dec. 27, 1922	May 18, 1923	Sundridge, Ontario.
504528	-----	do	do	Jan. 9, 1923	Mar. 21, 1923[2]	Benton County, Mo.
504558	-----	do	do	Jan. 18, 1923	Jan. 25, 1923[2]	Eunice, La. (6 mi. E.).
*24012	♀	A. A. Allen	Union Springs, N. Y.	Mar. 28, 1923	Mar. 30, 1923	Seneca Falls, N. Y.

Blue-winged Teal: *Querquedula discors*

*43022	♂	E. A. McIlhenny.	Avery Island, La.	Mar. 4, 1922	Jan. 22, 1923	Delcambre, La.
*43048	♀	do	do	do	Nov. 18, 1922	Gueydon, La. (20 mi. S.).
*43054	♀	do	do	do	Sept. 1, 1922	Victoria, Kans.
*43143	♂	do	do	Feb. 19, 1922	Aug. 31, 1922	Brownwood, Tex.
101458	♀	do	do	Mar. 4, 1922	Nov. 2, 1922	Crowley, La.
101474	♂	do	do	do	Jan. 25, 1923	Delcambre, La. (2 mi. SE.).
101708	♀	do	do	Feb. 9, 1922	Jan. 12, 1923	Iberia Parish, La.
101722	♀	do	do	do	Oct. 22, 1922	Whitewood Lake, S. Dak.
102208	♂	do	do	Mar. 23, 1922	Sept. 29, 1922	Blackbird, Nebr.
102244	♂	do	do	Mar. 21, 1922	Sept. 16, 1922	Sibley County, Minn.
102287	♂	do	do	Mar. 25, 1922	do	Lake Traverse, Minn.
102294	♂	do	do	do	Dec. 18, 1922[2]	Lafayette, La. (12 mi. S.).
102296	♀	do	do	do	Oct. 13, 1922	Herington, Kans.
504017	-----	do	do	Nov. 16, 1922	Jan. 29, 1923	Opelousas, La.
504025	-----	do	do	do	Dec. 18, 1922	Abbeville, La.
504039	-----	do	do	do	Apr. 24, 1923	Washington, Ark.
504065	♀	do	do	do	Dec. 3, 1922	Houma, La. (30 mi. S.).
504088	-----	do	do	Nov. 17, 1922	Dec. 24, 1922	Vermilion Parish, La.
504097	-----	do	do	Nov. 21, 1922	Mar. 16, 1923	Portland, Ark.
504159	-----	do	do	Nov. 23, 1922	Jan. 28, 1923	Belle Isle, La.
504171	-----	do	do	do	Dec. 18, 1922	Cow Island, La.
504174	-----	do	do	do	Dec. 8, 1922	Cade, La.
504175	-----	do	do	do	May 1, 1923[2]	Como, Miss.
504178	-----	do	do	do	Dec. 23, 1922	Erath, La.
504183	-----	do	do	do	Dec. 7, 1922	South shore Vermilion Bay, La.
504185	-----	do	do	do	Dec. 20, 1922	Vermilion Parish, La.

[2] Date approximate.

Blue-winged Teal—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
504192	-----	E. A. Mill-henny.	Avery Island, La.	Nov. 23, 1922	Dec. 13, 1922	Shell Canal, west of Opelousas, La.
504194	-----	----do----	----do----	----do----	Jan. 15, 1923	Iberia Parish, La.
504199	-----	----do----	----do----	----do----	Jan. —, 1923	Esterwood, La.
504213	-----	----do----	----do----	Nov. 28, 1922	Dec. 3, 1922	St. Martinsville, La.
504223	-----	----do----	----do----	----do----	Dec. 9, 1922	St. Patrick, La.
504225	-----	----do----	----do----	----do----	Dec. 10, 1922	Henry, La.
504241	♀	----do----	----do----	----do----	----do----	Houma, La. (8 mi. SW.).
504245	-----	----do----	----do----	----do----	Jan. 1, 1923 [2]	Youngsville, La.
504248	-----	----do----	----do----	----do----	Jan. 20, 1923 [2]	Creole, La.
504251	-----	----do----	----do----	----do----	Dec. 9, 1922	North shore Vermilion Bay, La.
504253	-----	----do----	----do----	----do----	Dec. —, 1922	Erath, La.
504276	-----	----do----	----do----	Dec. 12, 1922	Apr. —, 1923 [2]	Leonville, La.
504338	-----	----do----	----do----	Dec. 15, 1922	Jan. 28, 1923	Lockport, La.
†504361	-----	----do----	----do----	Dec. 19, 1922	Dec. 20, 1922	Avery Island, La.
504364	-----	----do----	----do----	----do----	Dec. 23, 1922	Erath, La.
504367	-----	----do----	----do----	Dec. 21, 1922	Dec. 22, 1922	Delcambre, La.
504391	-----	----do----	----do----	----do----	May 15, 1923	Sandy Lake, Manitoba.
504398	-----	----do----	----do----	----do----	Jan. 19, 1923	Abbeville, La.
504476	-----	----do----	----do----	Dec. 29, 1922	Jan. 28, 1923	Diamond P. O., La.
504509	-----	----do----	----do----	Jan. 7, 1923	Apr. 14, 1923	Moro, Ark. (3 mi.N.).
232575	♂	John Broeker [4]	Portage des Sioux, Mo.	Apr. 18, 1923	May 22, 1923	Partridge Crop Lake, Saskatchewan.
4576	-----	H. S. Osler----	Lake Scugog, Ontario.	Sept. 24, 1920	Dec. 9, 1920	Port of Spain, Trinidad.
4708	-----	----do----	----do----	Sept. 17, 1921	Oct. 11, 1922	Glen Elder, Kans.
4709	-----	----do----	----do----	----do----	Sept. 26, 1921	Lake Scugog, Ontario (75 mi. SE.).
†4713	-----	----do----	----do----	----do----	Oct. 6, 1921	Lake Scugog, Ontario.
4715	-----	----do----	----do----	----do----	Oct. 12, 1921	Seagrave, Ontario.
4721	-----	----do----	----do----	----do----	Oct. 14, 1921	Pigeon Lake, Ontario.
4726	-----	----do----	----do----	----do----	Sept. 26, 1921	Scugog River, Ontario.
†4729	-----	----do----	----do----	Sept. 18, 1921	Fall, 1921	Lake Scugog, Ontario.
4732	-----	----do----	----do----	----do----	Nov. 12, 1922	East Islip, Long Island, N. Y.
†4733	-----	----do----	----do----	----do----	Fall, 1921	Lake Scugog, Ontario.
4867	-----	----do----	----do----	Sept. 22, 1921	Sept. 18, 1922	Middle Lake, Nicollet County, Minn.
4869	-----	----do----	----do----	----do----	Sept 15, 1922 [2]	Arlington, S. Dak.
4856	-----	----do----	----do----	----do----	Sept 27, 1921	Scugog River, Ontario.
4858	-----	----do----	----do----	----do----	Sept 26, 1921	Long Point, Lake Erie, Ontario.
4875	-----	----do----	----do----	Sept. 24, 1921	Oct. 14, 1921	Rice Lake, Ontario.
5184	-----	----do----	----do----	Sept. 15, 1921	Apr. 15, 1923 [2]	Lake Carrier, Miss.
†5186	-----	----do----	----do----	----do----	Sept. 24, 1921	Lake Scugog, Ontario.
†207556	-----	----do----	----do----	Sept. 13, 1922	Oct. 26, 1922 [2]	Do.
207590	-----	----do----	----do----	Sept. 14, 1922	Oct. 13, 1922	Ithaca, N. Y.
†207724	-----	----do----	----do----	Sept. 20, 1922	Oct. 21, 1922	Lake Scugog, Ontario.

Shoveler: *Spatula clypeata*

504546	♂	E. A. McIl-henny.	Avery Island, La.	Jan. 13, 1923	Jan. 15, 1923	Delcambre, La.

[2] Date approximate.

[4] Under direction of Joseph Pulitzer, of St. Louis, Mo.

Pintail: *Dafila acuta tzitzihoa*

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
102409	♂	F. C. Lincoln	Browning, Ill	Mar. 5, 1922	Sept. 27, 1922	Roberts County, S. Dak.
102430	♀	do	do	Mar. 7, 1922	Sept. 17, 1922	Valentine, Nebr. (30 mi. S.).
102433	♀	do	do	do	Jan. 28, 1923	Cameron Parish, La.
102471	♀	do	do	Mar. 8, 1922	Jan. 23, 1923	Jennings, La.
230208	♀	do	do	Nov. 18, 1922	Nov. 23, 1922	Beardstown, Ill.
230211	♂	do	do	do	Dec. 9, 1922	Bath, Ill. (4 mi. S.).
230489	♀	do	do	Nov. 22, 1922	Nov. 24, 1922	Beardstown, Ill.
230635	♂	do	do	Nov. 23, 1922	Dec. 7, 1922	Bath, Ill.
230636	♂	do	do	do	Dec. 19, 1922	Belair, La.
*36150	♀	E. A. McIlhenny.	Avery Island, La.	Feb. 12, 1917	June —, 1921[9]	Ross, N. Dak.
*36222	♀	do	do	Feb. 2, 1917	Oct. 28, 1922	Alice, Tex.
*36229	♀	do	do	Feb. 12, 1917	Oct. 15, 1918[2]	Hay Lakes, Alberta.
*36233	♀	do	do	do	Nov. 15, 1920	Derouen, La.
*36243	♀	do	do	do	Oct. 21, 1917	Wilmont, Minn.
*36269	♀	do	do	do	Sept. 15, 1919	Humboldt, Saskatchewan (4½ mi. NE.).
*36259	♀	do	do	do	Oct. 5, 1919	Oshkosh, Wis.
*36272	♀	do	do	do	Mar. —, 1918	Kingfisher County, Okla.
*36279	♀	do	do	do	Nov. 25, 1919	Avery Island, La.
101647	♀	do	Belle Isle Lake, La.	Feb. 17, 1922	Jan.–Feb., 1922.	Jennings, La. (10 mi. SW.).
*35793	♀	A. A. Allen	Ithaca, N. Y.	Mar. 18, 1918	Sept. 22, 1920[10]	Camrose, Alberta.
†207964	♂	H. S. Osler	Lake Scugog, Ontario.	Oct. 1, 1922	Oct. 16, 1922	Lake Scugog, Ontario.
202404		H. L. Felt[7]	Findlater, Saskatchewan.	July 9, 1922	Nov. 4, 1922	Camp Crook, S. Dak. (2 mi. W.).
202476		J. C. Silver[7]	Unity, Saskatchewan.	Aug 17 1922	Sept. 23, 1922	Unity, Saskatchewan (3 mi. E.).

Canvasback: *Marila valisineria*

228780	♂	A. A. Allen	Ithaca, N. Y.	Feb. 5, 1923	Feb. 10, 1923	Branchport, N. Y.

Scaup Duck: *Marila marila*

*25331	♀	A. A. Allen	Ithaca, N. Y.	Mar. 15, 1920	Dec. 10, 1920	Union Springs, N. Y.
*25332	♀	do	Union Springs, N. Y.[11]	Mar. 20, 1920	Dec. 18, 1920	Levanna, N. Y.
101801		do	Ithaca, N. Y.	Mar. 5, 1922	Nov. 11, 1922	Elm Beach, N. Y.
101819	♂	do	do	Feb. 28, 1922	Oct. 31, 1922[2]	Rochester, N. Y. (35 mi. E.).

[2] Date approximate.

[7] Under direction of Fred Bradshaw, of Regina, Saskatchewan.

[9] Had been dead a long time when found.

[10] Trapped at Avery Island, La., in February, 1918, by E. A. McIlhenny and shipped to Doctor Allen, at Ithaca, N. Y.

[11] One wing clipped when released.

Lesser Scaup Duck: *Marila affinis*

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
228773	♀	A. A. Allen	McKinneys, south end of Cayuga Lake, N. Y.	Feb. 1, 1923	Mar. 1, 1923[2]	Seneca Lake, N. Y.

Ring-necked Duck: *Marila collaris*

101405	♂	E. A. McIlhenny.	Belle Isle Lake, La.	Feb. 17, 1922	Nov. 1, 1922	Solomon River, Kans
101407	♂	do	do	do	May 12, 1923	Isle a la Crosse Lake, Saskatchewan (20 mi. NE.).
101427	♂	do	do	Feb. 21, 1922	Mar. 1, 1922[2]	Gueydan, La.
101540	♂	do	do	Feb. 17, 1922	Sept. 16, 1922	Franklin, Nebr.
101561	♂	do	do	do	Mar. 10, 1922	Asbury, Mo. (2 mi. E.).
101568	♂	do	do	do	Nov. 1, 1922	Vilas County, Wis.
101594	♀	do	do	do	Oct. 10, 1922	Quincy, Ill.
101704	♂	do	do	Feb. 21, 1922	Nov. 2, 1922	Meeker County, Minn.
101720	♂	do	do	do	Oct. 22, 1922	Shellmouth, Manitoba.
101730	♂	do	do	do	Apr. 20, 1923[2]	Benson, Minn.
101747	♂	do	do	do	Nov. 11, 1922[2]	Eastern part of Galveston County, Tex.
101757	♂	do	do	do	May 25, 1923	The Barrier, Saskatchewan (40 mi. W. of The Pas, Man.).
*37304		H. S. Osler	Lake Scugog, Ontario.	Oct. 29, 1920	Jan. 5, 1921	Georgetown County, S. C.
4700	♂	do	do	do	Nov. 23, 1920	Back Bay, Va.
†101122	♂	do	do	Oct. 16, 1921	Nov. 4, 1921	Lake Scugog, Ontario.

Bufflehead: *Charitonetta albeola*

*43985	♀	Verdi Burtch	Branchport, N. Y.	Apr. 6, 1922	Apr. 17, 1922	Georgian Bay near Collingwood, Ontario.

White-winged Scoter: *Oidemia deglandi*

†24127	♂	W. E. Smith	South Chatham, Mass.	Jan. 30, 1923	Feb. 1, 1923	U. S. naval radio station, Chatham, Mass.

White-faced Glossy Ibis: *Plegadis guarauna*

3539		Alex Wetmore	Mouth of Bear River, Utah.	July 3, 1916	Oct. 22, 1922	Lake Tulare, Tulare County, Calif.[12]

[2] Date approximate.

[12] Picked up while duck hunting; no gun-shot wounds on body; appeared to be weak from digestive trouble.

Great Blue Heron: *Ardea herodias herodias*

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
*43965	-----	R. D. Book---	Corning, Ohio (1/4 mi. N. W.)	Apr. 21, 1920	Jan. 25, 1921	Litchfield, Mich. (2 mi. S. and 1/2 mi. W.).

Ward Heron: *Ardea herodias wardi*

†233311	-----	R. D. Camp--	Green Island, Cameron County, Tex.	May 14, 1923	May 15, 1923	Green Island, Cameron County, Tex.
†236393	-----	-----do-----	-----do-----	July 7, 1923	July 9, 1923	Do.

Snowy Egret: *Egretta candidissima*

†210793	-----	R. D. Camp--	Green Island, Cameron County, Tex.	May 2, 1923	May 20, 1923	Green Island, Cameron County. Tex.
3615	-----	Alex Wetmore	Mouth of Bear River, Utah.	July 3, 1916	Jan. 20, 1923	Near Escuinapa, Sinaloa, Mexico.

Reddish Egret: *Dichromanassa rufescens*

233347	-----	R. D. Camp--	Green Island, Cameron County, Tex.	May 15, 1923	Aug. 10, 1923	Galveston, Tex.

Black-crowned Night Heron: *Nycticorax nycticorax naevius*

201635	-----	S. G. Emilio--	Danvers, Mass--	July 30, 1922	Sept. 25, 1922	North Andover, Mass.
201908	-----	L. B. Fletcher-	Barnstable, Mass	June 17, 1922	Sept. 4, 1922	Beach Bluff, Mass.
201983	-----	-----do-----	-----do-----	-----do-----	Aug. 20, 1922	Fryeburg, Me.
202004	-----	-----do-----	-----do-----	-----do-----	Aug. 7, 1922	Kennebunkport, Me.
*24506	-----	J. C. Phillips--	Hamilton, Mass.	June 3, 1915	May 1, 1920	North Cromwell, Conn.
*24536	-----	-----do-----	-----do-----	June 10, 1915	June 4, 1921	Rye Beach, N. H.

Florida Gallinule: *Gallinula chloropus cachinnans*

5122	-----	H. S. Osler---	Lake Scugog, Ontario.	Aug. 31, 1921	Sept. 4, 1922	Lake Scugog, Ontario.

Coot: *Fulica americana*

*43244	-----	E. A. McIlhenny.	Avery Island, La.	May 2, 1921	Sept. 12, 1921	Liberty, Miss.

Mourning Dove: *Zenaidura macroura*

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
19008	-----	W. I. Lyon---	Waukegan, Ill---	June 18, 1921	Sept. 28, 1921	Nashville, Tenn. (20 mi. S.).
†19010	-----	-----do-----	-----do-----	July 7, 1921	Sept. 1, 1921	Waukegan, Ill.
10119	-----	S. E. Perkins-	Indianapolis, Ind.	June 19, 1922	Nov. 25, 1922[1]	Marion, Ala.
23350	-----	-----do-----	-----do-----	May 17, 1922	Aug. 23, 1922	Attica, Ind.
8903	♂	Mrs. B. P. Reed.	Lawrence, Kans.	May 12, 1922	June 6, 1923	Lawrence, Kans.
9903	-----	E. A. McIlhenny.	Avery Island, La.	Mar. 17, 1922	Sept. 30, 1922	Duson, La.
9933	-----	-----do-----	-----do-----	Mar. 13, 1922	Oct. 21, 1922	Delcambre, La.
9992	-----	-----do-----	-----do-----	Mar. 4, 1922	Sept. 29, 1922	New Iberia, La.
9993	-----	-----do-----	-----do-----	-----do-----	Jan. 14, 1923	Avery Island, La.
*57721	-----	S. P. Baldwin-	Gates Mill, Ohio-	June 7, 1921	June 12, 1923	Gates Mill, Ohio.
*42829	-----	William Pepper.	Newtown Square, Delaware County, Pa.	May 31, 1920	Jan. 28, 1921	Albany, Ga. (32 mi. S.).

Cooper Hawk: *Accipiter cooperi*

*23020	-----	G. I. Eadie and F. L. Burns.	Berwyn, Pa-----	July 4, 1920	Apr. 6, 1922	Asheville, N. C.

Red-shouldered Hawk: *Buteo lineatus*

3351	-----	L. W. Laird---	Harper, Kans---	Aug. 17, 1922	Aug. 23, 1922	Duquoin, Kans. (5¾ mi. NE.).

Ferruginous Rough-leg: *Archibuteo ferrugineus*

*37998	-----	W. R. Felton-	East Chouteau County, Mont.	July 2, 1916	Sept. 29, 1919	Harlowton, Mont.

Bald Eagle: *Haliaeetus leucocephalus*

202114	-----	Herman Batterby----------	Oak Lake, Manitoba.[13]	Nov. 23, 1922	Nov. 24, 1922	Hartney, Manitoba. (2 mi. W.)

Sparrow Hawk: *Cerchneis sparveria.*

21531	-----	S. P. Baldwin-	Gates Mills, Ohio.	June 18, 1916	July 12, 1917	Cleveland, Ohio

[1] Date approximate.

[13] Wing-tipped bird. Released after wing had healed.

Short-eared Owl: *Asio flammeus*

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
3065	♂	Mrs. B. P. Reed.	Lawrence, Kans.[14]	Apr. 30, 1922	June 19, 1923	Perry, Kans. (1 mi. E.).

Barred Owl: *Strix varia*

*26028	-----	M. S. Crosby	Rhinebeck, N.Y.	May 29, 1920	Jan. 9, 1921	East Park, N. Y.

Screech Owl: *Otus asio*

†201351	-----	Johnson Neff	Marionville, Mo.	July 30, 1922	Sept. 1, 1922	Marionville, Mo.

Great Horned Owl: *Bubo virginianus*

3067	-----	Mrs. B. P. Reed.	Lawrence, Kans.	Apr. 30, 1922	June 5, 1923	Lawrence, Kans.

Hairy Woodpecker: *Dryobates villosus*

†19183	-----	W. I. Lyon	Waukegan, Ill.	Nov. 4, 1922	Nov. 12, 1922	Waukegan, Ill.

Downy Woodpecker: *Dryobates pubescens*

*52415	♀	W. I. Lyon	Waukegan, Ill.	Feb. 18, 1921	Feb. 10, 1922	Waukegan, Ill.
*47558	♂	Miss K. M. Hempel.	Elkader, Iowa	Feb. 8, 1921	Nov. 27, 1922	Elkader, Iowa.
*48438	♀	do	do	Mar. 8, 1921	Nov. 28, 1922	Do.
*54892	♂	do	do	Feb. 12, 1921	May 12, 1923	Do.
*54900	♀	do	do	Dec. 2, 1921	Jan. 25, 1923	Do.
*55002	♀	do	do	Feb. 27, 1922	Dec. 19, 1922	Do.
*55005	♀	do	do	Dec. 2, 1921	Nov. 29, 1922	Do.
22265	♂	Mrs. L. D. Morey.	Chevy Chase, Md.	Mar. 2, 1922	Dec. 11, 1922	Chevy Chase, Md.
*47935	♂	J. Van Tyne	Ann Arbor, Mich.	Oct. 16, 1921	Feb. 17, 1922	Ann Arbor, Mich.

Red-headed Woodpecker: *Melanerpes erythrocephalus*

†16163	-----	Mrs. B. P. Reed.	Lawrence, Kans.	June 7, 1922	June 9, 1922	Lawrence, Kans.

[14] Wounded. Cared for through winter.

Red-bellied Woodpecker: *Centurus carolinus*

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
*31778	-----	S. P. Baldwin	Thomasville, Ga.	Mar. 7, 1916	Mar. 9, 1917	Thomasville, Ga.
*31778	-----	----do----	----do----	----do----	Feb. 16, 1920	Do.
*53069	-----	----do----	----do----	Feb. 15, 1920	Feb. 25, 1921	Do.

Flicker: *Colaptes auratus*

†15209	-----	Mrs. B. P. Reed	Lawrence, Kans.	June 8, 1921	June 8, 1921	Lawrence, Kans.
104406	♂	W. G. Vinal	Wellfleet, Mass.	June 24, 1922	Nov. 4, 1922	Eastham, Cape Cod, Mass.

Nighthawk: *Chordeiles virginianus*

†104155	-----	Hoyes Lloyd	Ottawa, Ontario	Aug. 4, 1922	Aug. 6, 1922	Ottawa, Ontario.

Chimney Swift: *Chaetura pelagica*

*†51355	-----	Mrs. B. P. Reed	Lawrence, Kans.	July 14, 1921	Aug. 1, 1921	Lawrence, Kans.
12530	-----	----do----	----do----	July 14, 1922	Apr. 24, 1923	Do.
†30137	-----	H. E. Childs	Sweden, Me.	July 12, 1922	July 25, 1922	Sweden, Me.
*38461	-----	S. P. Baldwin	Gates Mills, Ohio	June 6, 1916	June 12, 1917	Gates Mills, Ohio.
*38461	-----	----do----	----do----	----do----	June 9, 1921	Do.
*38461	-----	----do----	----do----	----do----	June 7, 1922	Do.
*38461	-----	----do----	----do----	----do----	July 3, 1923	Do.

Phoebe: *Sayornis phoebe*

†11626	-----	P. F. Foran	Ottawa, Ontario	July 11, 1921	Aug. 4, 1921	Ottawa, Ont.

Wood Pewee: *Myiochanes virens*

†74569	-----	A. W. Taylor	Unity, Me.	July 25, 1922	July 26, 1922	Unity, Me.

Horned Lark: *Otocoris alpestris*

67763	-----	Allan Kenis-ton.	Marthas Vine-yard, Mass.	Feb. 18, 1923	Apr. 18, 1923	Port au Port, Newfound-land.

Blue Jay: *Cyanocitta cristata*

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
18377		W. I. Lyon	Melbourne, Fla.	May 30, 1922	June 18, 1923	Melbourne, Fla.
*1916		S. P. Baldwin	Thomasville, Ga.	Mar. 28, 1916	Feb. 15, 1920	Thomasville, Ga.
*1916		do	do	do	Mar. 6, 1921	Do.
*1929		do	do	Feb. 17, 1917	Feb. 17, 1917	Do.
*1929		do	do	do	Jan. —, 1921	Do.
*31772		do	do	Feb. —, 1916	Mar. 23, 1920	Do.
*31775		do	do	Mar. 1, 1916	Mar. 26, 1921	Do.
*41897		do	do	Mar. 12, 1917	Feb. 27, 1920	Do.
*41897		do	do	do	Mar. 11, 1921	Do.
*53075		do	do	Feb. 16, 1920	Mar. 28, 1921	Do.
*53080		do	do	do	Mar. 30, 1921	Do.
*55218		do	do	Mar. 16, 1921	Mar. 29, 1922	Do.
18328		W. I. Lyon	Waukegan, Ill.	Oct. 22, 1921	May 10, 1922	Waukegan, Ill.
18329		do	do	Nov. 23, 1921	June 18, 1922	Do.
†23593		do	do	July 8, 1922	Aug. 20, 1922	Do.
18285		Miss K. M. Hempel.	Elkader, Iowa	Mar. 30, 1922	Nov. 8, 1922	Elkader, Iowa.
18295		do	do	June 8, 1921	June 12, 1922	Do.
18296		do	do	June 7, 1921	Dec. 14, 1922	Do.
18298		do	do	June 24, 1921	Jan. 24, 1922	Do.
18298		do	do	do	June 29, 1922	Do.
18298		do	do	do	Dec. 14, 1922	Do.
18298		do	do	do	June 28, 1923	Do.
103569		do	do	May 17, 1922	June 16, 1923	Do.
103570		do	do	May 22, 1922	June 13, 1923	Do.
†103580		do	do	June 3, 1922	June 4, 1922	Do.
106235		do	do	Nov. 26, 1922	June 27, 1923	Do.
†103983		L. W. Laird	Harper, Kans.	Aug. 19, 1922	Sept. 12, 1922	Harper, Kans.
17208		E. U. Ufford	Auburndale, Mass.	Apr. 23, 1922	May 29, 1923	Auburndale, Mass.
†10102		A. S. Warthin	Ann Arbor, Mich	Apr. 6, 1922	Apr. 7, 1922	Ann Arbor, Mich.
103179		F. N. Wilson	do	Oct. 3, 1922	Apr. 26, 1923	Do.
†9407		A. F. and E. A. Satterthwait.	Webster Groves, Mo.	June 5, 1922	June 12, 1922	Webster Groves, Mo.
†9408		do	do	June 10, 1922	do	Do.
†19912		do	do	do	June 14, 1922	Do.
†113411		E. C. Weeks	Sanbornton, N. H.	Mar. 1, 1923	Mar. 15, 1923	Sanbornton, N. H.
*42090		R. H. Howland	Upper Montclair, N. J.	Feb. 2, 1921	May 28, 1921	Upper Montclair, N. J.
*57903		M. S. Crosby	Rhinebeck, N.Y	Jan. 17, 1922	Dec. 24, 1922	Rhinebeck, N. Y.
*41273		S. P. Baldwin	Gates Mills, Ohio	May 13, 1919	July 11, 1920	Gates Mills, Ohio.
*54912	♀	O. L. Mitchell	Cuyahoga Falls, Ohio.	Dec. 19, 1920	May 2, 1921	Cuyahoga Falls, Ohio.

Crow: *Corvus brachyrhynchos*

201618		W. A. Oswald	Shawbridge, Quebec.	Aug. 26, 1922	Sept. 7, 1922	Westmount, Quebec.
†24351		G. E. Allen	Plainfield, Mass.	June 9, 1922	July 5, 1922	Plainfield, Mass.
†24354		do	do	June 16, 1923	June 30, 1923	Do.
228305		C. E. Sanborn	Stillwater, Okla.	Jan. 2, 1923	Apr. 15, 1923	Woodstock, Minn.
*22368		F. L. Burns	Berwyn, Pa.	May 14, 1914	May 17, 1920	Phoenixville, Pa.

Fish Crow: *Corvus ossifragus*

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
102335	-----	E. A. McIlhenny.	Avery Island, La.	Mar. 31, 1922	June 14, 1923	Iberia Parish, La.

Cowbird: *Molothrus ater*

66014	-----	W. A. Ruffin	Auburn, Ala.	Mar. 13, 1923	Mar. 11, 1923[15]	Harrogate, Tenn.
†70107	-----	do	do	Mar. 15, 1923	Mar. 20, 1923	Auburn, Ala.
27551	♂	Frank Novak	Fairfield, Conn	Apr. 13, 1922	Dec. 21, 1922	Savannah, Ga. (10 mi W.).
13358	♂	George Roberts	Lake Forest, Ill.	Apr. 21, 1922	May 3, 1923	Lake Forest, Ill.
13360	♂	do	do	Apr. 30, 1922	Apr. 18, 1923	Do
†11483	-----	Mrs. B. P. Reed	Lawrence, Kans.	June 23, 1921	June 26, 1921	Lawrence, Kans.
†31347	-----	A. W. Taylor	Unity, Me.	July 16, 1922	July 17, 1922	Unity, Me.
*32945	♂	Verdi Burtch	Branchport, N. Y.	Oct. 17, 1921	Feb. 12, 1922	Youngsville, N. C.

Meadowlark: *Sturnella magna*

†112360	-----	J. A. Neff	Marionville, Mo.	June 1, 1923	June 3, 1923	Marionville, Mo.

Baltimore Oriole: *Icterus galbula*

†12737	-----	Mary F. Hobart	Needham Heights, Mass.	June 18, 1922	June 18, 1922	Needham Heights, Mass.

Purple Grackle: *Quiscalus quiscula quiscula*

34538	-----	Miss Esther Heacock.	Wyncote, Pa.	Apr. 10, 1917	June —, 1920	Jenkintown, Pa.
†109730	-----	J. F. Kilgus	Williamsport, Pa.	Apr. 6, 1923	Apr. 30, 1923	Williamsport, Pa.
8601	-----	A. J. Middleton	Jeffersonville, Pa.	July 29, 1921	May 10, 1922	Jeffersonville, Pa.

[15] Obviously an error, reported under date of March 27, date of capture may have been March 21.

Bronzed Grackle: *Quiscalus quiscula aeneus*

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
†18363	♂	W. I. Lyon	Waukegan, Ill.	Apr. 20, 1922	June 13, 1922	Waukegan, Ill.
23501		do	do	June 24, 1922	Nov. 30, 1922	Fillmore, Ill.
23594		do	do	July 8, 1922	July 28, 1922	Great Lakes, Ill.
113191	♀	do	do	Apr. 18, 1922	June 3, 1923	Waukegan, Ill.
†103925		F. N. Hadley	Whiting, Ind.	May 30, 1922	May 31, 1922	Whiting, Ind.
†219504		W. W. Hollister	Clear Lake, Iowa.	June 1, 1923	June 4, 1923	Clear Lake, Iowa.
*†57950		Dayton Stoner	Iowa City, Iowa.	May 30, 1921	May 31, 1921	Iowa City, Iowa.
†18463	♂	do	do	Apr. 17, 1922	Apr. 27, 1922	Do.
†23899		C. B. Floyd	Auburndale, Mass.	May 3, 1922	June 2, 1923	Auburndale, Mass.
103739		do	do	Sept. 11, 1922	Nov. 7, 1922	Elizabeth, N. J.
†109962		R. Lloyd	Davidson, Sask.	May 6, 1923	May 21, 1923	Davidson, Sask.

Purple Finch: *Carpodacus purpureus*

30449	♂	Mrs. W. K. Harrington.	Norwalk, Conn.	May 8, 1922	Jan. 29, 1923	Norwalk, Conn.
36603	♀	do	do	Jan. 16, 1923	Mar. 6, 1923	Fairfield, Conn.
66137	♂	Frank Novak	Fairfield, Conn.	Jan. 22, 1923	Feb. 12, 1923	Demarest, N. J.
66146		do	do	do	Mar. 12, 1923	Do.
66200	♂	do	do	Jan. 26, 1923	Feb. 18, 1923	Norwalk, Conn.
†32035	♀	W. I. Lyon	Waukegan, Ill	Feb. 10, 1923	Feb. 21, 1923	Waukegan, Ill.
†32036	♀	do	do	do	Feb. 16, 1923	Do.
†32041	♀	do	do	Feb. 11, 1923	Feb. 14, 1923	Do.
†32047		do	do	Feb. 12, 1923	do	Do.
66576	♂	R. B. Harding	Cohasset, Mass.	Feb. 4, 1923	Mar. 22, 1923	Wellesley, Mass.
25496	♂	Mrs. E. A. Herrick.	Topsfield, Mass.	Apr. 24, 1922	Apr. 27, 1923	Topsfield, Mass.
26396	♂	do	do	May 3, 1922	May 14, 1923	Do.
26399	♂	do	do	May 2, 1922	May 10, 1923	Do.
27057	♂	do	do	May 10, 1922	June 20, 1922	Do.
27058	♀	do	do	do	Apr. 19, 1923	Do.
27060	♂	do	do	do	Apr. 25, 1923	Do.
27068	♀	do	do	May 6, 1922	Apr. 22, 1923	Do.
27080	♂	do	do	May 3, 1922	Mar. 30, 1923	Do.
28230	♀	do	do	May 27, 1922	Apr. 24, 1923	Do.
29642	♂	do	do	May 12, 1922	May 10, 1923	Do.
29643	♀	do	do	May 14, 1922	May 22, 1923	Do.
29644	♂	do	do	May 17, 1922	May 1, 1923	Do.
29652	♀	do	do	May 23, 1922	Apr. 19, 1923	Do.
74201	♂	do	do	May 31, 1922	Apr. 26, 1923	Do.
74202	♀	do	do	June 4, 1922	Apr. 20, 1923	Do.
74205	♂	do	do	June 8, 1922	Apr. 30, 1923	Do.
74206	♀	do	do	June 11, 1922	Apr. 22, 1923	Do.
74207	♀	do	do	do	May 20, 1923	Do.
74211	♀	do	do	June 14, 1922	May 9, 1923	Do.
74213	♂	do	do	June 15, 1922	Apr 24, 1923	Do.
74221	♀	do	do	Aug. 4, 1922	May 16, 1923	Do.
74223	♂	do	do	Aug. 15, 1922	Apr. 13, 1923	Do.
74238	♂	do	do	Aug. 23, 1922	Apr. 18, 1923	Do.
74241		do	do	Aug. 8, 1922	Apr. 28, 1923	Do.
74243	♀	do	do	July 23, 1922	May 6, 1923	Do.

Purple Finch—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
74245	♀	Mrs. E. A. Herrick.	Topsfield, Mass.	July 13, 1922	Apr. 26, 1923	Topsfield, Mass.
74249	♂	do	do	July 4, 1922	May 18, 1923	Do.
*51506		H. G. Higbee	Sharon, Mass.	Sept. 12, 1921	May 17, 1923	Foxboro, Mass.
29238	♀	do	do	Feb. 9, 1923	Mar. 11, 1923	Brockton, Mass.
55123	♂	Mary F. Hobart	Needham Heights, Mass.	Feb. 16, 1923	Mar. 28, 1923	Wellesley, Mass.
†66614		Mrs A. B. Pratt	Middleboro, Mass.	Mar. 7, 1923	Apr. 16, 1923	Middleboro, Mass.
†67001	♂	G. H. Priest	Brockton, Mass.	Feb. 4, 1923	Feb. 12, 1923	Brockton, Mass.
30943	♀	Mrs. H. G. Whittle.	Cohasset, Mass.	Jan. 18, 1923	Mar. 16, 1923	Wellesley, Mass.
30602		M. J. Magee	Sault Ste. Marie, Mich.	June 25, 1922	May 12, 1923	Sault Ste. Marie, Mich.
30609	♂	do	do	July 1, 1922	May 11, 1923	Do.
30622		do	do	July 11, 1922	Apr. 22, 1923	Do.
30625		do	do	do	May 12, 1923	Do.
30648	♂	do	do	July 18, 1922	do	Do.
†31169		do	do	Aug. 28, 1922	Sept. 27, 1922	Do.
103609	♂	do	do	July 28, 1922	Apr. 27, 1923	Do.
103611		do	do	do	Apr. 28, 1923	Do.
†103629		do	do	July 29, 1922	Aug. 30, 1922	Do
103644	♂	do	do	Aug. 1, 1922	May 12, 1923	Do.
†103675		do	do	Aug. 8, 1922	Aug. 14, 1922	Do.
†39906		H. E. Childs	Providence, R. I.	Feb. 27, 1923	Mar. 1, 1923	Providence, R. I.
†38732		Mrs. H. C. Miller.	Racine, Wis.	May 1, 1923	May 1, 1923	Racine, Wis.

House Finch: *Carpodacus mexicanus frontalis*

†52057		J. E. Law	Altadena, Calif. (15 mi. E.)	June 23, 1923	July 2, 1923	Altadena, Calif. (15 mi E.).
†52058		do	do	do	July 4, 1923	Do.

Goldfinch: *Astragalinus tristis*

54441		Mrs. J. E. Carth.	Wellesley, Mass.	Mar. 13, 1923	May 9, 1923	Topsfield, Mass
†38496	♀	Mrs. E. A. Herrick.	Topsfield, Mass.	Jan. 24, 1923	Mar. 1, 1923	Do.
†38498	♀	do	do	Jan. 27, 1923	Apr. 18, 1923	Do.

Vesper Sparrow: *Pooecetes gramineus*

†43682		R. H. Carter	Muscow, Saskatchewan.	May 20, 1923	June 2, 1923	Muscow, Saskatchewan.

White-Crowned Sparrow: *Zonotrichia leucophrys leucophrys*

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
6637	-----	J. E. Law-----	Los Angeles, Calif.	Jan. 12, 1922	Dec. 21, 1922	Los Angeles, Calif.

Gambel Sparrow: *Zonotrichia leucophrys gambeli*

*48126	-----	J. E. Law-----	Los Angeles, Calif.	Oct. 6, 1921	Dec. 29, 1922	Los Angeles, Calif.
*48127	-----	-----do----------	-----do----------	Oct. 7, 1921	Apr. 9, 1922	Do.

Nuttall Sparrow: *Zonotrichia leucophrys nuttalli*

6630	-----	J. E. Law-----	Los Angeles, Calif.	Jan. 3, 1922	Dec. 28, 1922	Los Angeles, Calif.
6631	-----	-----do----------	-----do----------	Jan. 7, 1922	Dec. 29, 1922	Do.
6632	-----	-----do----------	-----do----------	-----do--------	Dec. 21, 1922	Do.

Golden-crowned Sparrow: *Zonotrichia coronata*

*49004	-----	Mrs. A. S. Allen.	Berkeley, Calif.--	Mar. 3, 1920	Oct. 25, 1921	Berkeley, Calif.
*49004	-----	-----do----------	-----do----------	-----do--------	Jan. 25, 1922	Do.

White-throated Sparrow: *Zonotrichia albicollis*

*51978	-----	A. S. Allen----	Berkeley, Calif.--	Jan. 25, 1922	Nov. 29, 1922	Berkeley, Calif.
*51742	-----	Frank, Novak	Fairchild, Conn.	Sept. 28, 1922	Jan. 12, 1923	Fairfield, Conn.
13921	-----	A.A. Saunders	-----do----------	Apr. 22, 1922	Oct. 29, 1922	Do.
30560	-----	-----do----------	-----do----------	Dec. 1, 1922	Mar. 31, 1923	Do.
*51674	-----	Miss M. J. Pellew	Washington, D. C.	Oct. 26, 1920	Feb. 22, 1921	Washington, D. C.
*38160	-----	S. P. Baldwin.	Thomasville, Ga	Mar. 5, 1916	Mar. 7, 1917	Thomasville, Ga.
*38160	-----	-----do----------	-----do----------	-----do--------	Feb. 25, 1920	Do.
*38160	-----	-----do----------	-----do----------	-----do--------	Mar. 17, 1921	Do.
*38160	-----	-----do----------	-----do----------	-----do--------	Mar. 27, 1921	Do.
*45405	-----	-----do----------	-----do----------	Feb. 19, 1920	Mar. 25, 1921	Do.
*48603	-----	-----do----------	-----do----------	Mar. 5, 1921	Mar. 29, 1922	Do.
*48698	-----	-----do----------	-----do----------	Mar. 17, 1921	Apr. 5, 1922	Do.
*48752	-----	-----do----------	-----do----------	Mar. 28, 1921	Mar. 22, 1922	Do.
*52735	-----	W. I. Lyon----	Waukegan, Ill.--	Oct. 10, 1921	Mar. 20, 1922	Waukegan, Ill.
†8758	-----	-----do----------	-----do----------	Oct. 11, 1922	Oct. 23, 1922	Do.
†17074	-----	-----do----------	-----do----------	Oct. 27, 1922	Nov. 12, 1922	Do.
†26737	-----	K. G. McDougal.	Winnipeg, Manitoba.	Sept. 19, 1922	Sept. 22, 1922	Winnipeg, Manitoba.
28322	♀	R. D. Sanders.	West Peabody, Mass.	May 5, 1922	May 5, 1923	West Peabody, Mass.
*50006	♂	B. S. Bowdish	Demarest, N. J.	Apr. 30, 1920	Aug. 31, 1921	Demarest, N. J.
*47134	-----	R. H. Howland.	Upper Montclair, N. J.	Feb. 20, 1921	Dec. 25, 1921	Upper Montclair, N. J.
†6404	-----	M. S. Crosby.	Rhinebeck, N. Y	Sept. 30, 1921	Oct. 1, 1921	Rhinebeck, N. Y.

White-throated Sparrow—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
61214	-----	J. A. Gillespie	Glenolden, Pa	Nov. 8, 1922	Apr. 14, 1923	Glenolden, Pa.
61221	-----	do	do	Nov. 19, 1922	Apr. 18, 1923	Do.
*7511	-----	Miss Esther Heacock.	Wyncote, Pa	Dec. 31, 1916	Apr. 7, 1920	Wyncote, Pa.
*11880	-----	do	do	Jan. 19, 1920	Dec. 9, 1920	Do.
*†17505	-----	do	do	Dec. 25, 1919	Feb. 27, 1920	Do.
*30089	-----	do	do	Dec. 12, 1915	Jan. 8, 1920	Do.
*44913	-----	do	do	Jan. 8, 1920	Dec. 24, 1920	Do.
*44913	-----	do	do	do	Apr. 12, 1921	Do.
*44922	-----	do	do	Jan. 14, 1920	Dec. 25, 1920	Do.
*46275	-----	do	do	Apr. 4, 1920	Dec. 14, 1920	Do.
*46275	-----	do	do	do	Mar. 19, 1922	Do.
†42251	-----	W. B. Keighton.	Swarthmore, Pa	Mar. 6, 1923	Apr. 17, 1923	Swarthmore, Pa

Tree Sparrow: *Spizella monticola*

†67247	-----	Mrs. F. D. Hubbard	New Haven, Conn.	Jan. 30, 1923	Mar. 7, 1923	New Haven, Conn.
25562	♂	Frank Novak	Fairfield, Conn	Mar. 31, 1922	Jan. 8, 1923	Fairfield, Conn.
7235	-----	W. I. Lyon	Waukegan, Ill	Feb. 26, 1922	Nov. 11, 1922	Waukegan, Ill.
7236	-----	do	do	Feb. 27, 1922	Dec. 17, 1922	Do.
7236	-----	do	do	do	Feb. 19, 1923	Do.
7237	-----	do	do	do	Jan. 20, 1923	Do.
7239	-----	do	do	do	Dec. 31, 1922	Do.
7248	-----	do	do	Mar. 4, 1922	Dec. 5, 1922	Do.
7249	-----	do	do	do	Jan. 12, 1923	Do.
7270	-----	do	do	Mar. 22, 1922	Jan. 23, 1923	Do.
†17136	-----	do	do	Jan. 14, 1923	Jan. 24, 1923	Do.
†17139	-----	do	do	Jan. 19, 1923	Feb. 19, 1923	Do.
†17154	-----	do	do	Feb. 2, 1923	Feb. 23, 1923	Do.
†17157	-----	do	do	Feb. 4, 1923	Feb. 13, 1923	Do.
22537	-----	do	do	Apr. 15, 1922	Nov. 25, 1922	Do.
14030	♀	A. C. Bagg	Holyoke, Mass	Feb 17, 1922	Jan. 6, 1923	Holyoke, Mass.
22188	♂	do	do	Feb. 10, 1922	Dec. 11, 1922	Do.
22190	♀	do	do	do	do	Do.
22196	♂	do	do	Feb. 14, 1922	Dec. 4, 1922	Do.
22198	♀	do	do	Feb. 11, 1922	Dec. 18, 1922	Do.
22199	♀	do	do	do	Dec. 19, 1922	Do.
22202	♀	do	do	do	Dec. 13, 1922	Do.
†35819	-----	L. B. Fletcher	Cohasset, Mass	Feb. 13, 1923	Feb. 14, 1923	Cohasset, Mass
†35824	-----	do	do	Feb. 19, 1923	Feb. 28, 1923	Do.
†38483	-----	Mrs. E. A. Herrick	Topsfield, Mass.	Jan. 18, 1923	Mar. 10, 1923	Topsfield, Mass.
†61369	-----	do	do	Jan. 24, 1923	Feb. 22, 1923	Do.
†61376	-----	do	do	Jan. 26, 1923	Mar. 5, 1923	Do.
†61381	-----	do	do	Jan. 29, 1923	Mar. 9, 1923	Do.
†61388	-----	do	do	Jan. 31, 1923	Apr. 14, 1923	Do.
33029	-----	Arthur Morley	Swampscott, Mass.	Jan. 12, 1923	Jan. 21, 1923	Danvers, Mass.
65707	-----	do	do	Jan. 17, 1922	Mar. 2, 1923	Essex, Mass.
*47044	-----	Herbert Parker.	South Lancaster, Mass.	Jan. 14, 1922	Dec. 31, 1922	South Lancaster, Mass.
6912	-----	do	do	Jan. 29, 1922	Feb. 17, 1923	Do.
6916	-----	do	do	do	Dec. 31, 1922	Do.
6919	-----	do	do	Feb. 16, 1922	Jan. 20, 1923	Do.

Tree Sparrow—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
†26233	____	Mrs. E. V. Perkins.	Topsfield, Mass.	Jan. 7, 1923	Mar. 13, 1923	Topsfield, Mass.
†50267	____	Mrs. A. B. Pratt.	Middleboro, Mass.	Feb. 1923	Apr. 8, 1923	Middleboro, Mass.
†50270	____	____do____	____do____	Feb. 21, 1923	Mar. 23, 1923	Do.
†64550	____	W. H. Ropes.	Danvers, Mass.	Dec. 30, 1922	Mar. 4, 1923	Danvers, Mass.
22107	____	W. P. Wharton.	Groton, Mass.	Apr. 1, 1922	Feb. 25, 1923	Groton, Mass.
†39735	____	E. C. Weeks.	Sanbornton. N. H.	Feb. 16, 1923	Mar. 27, 1923	Sanbornton, N. H.
*49269	____	B. S. Bowdish.	Demarest, N. J.	Feb. 23, 1920	Jan. 17, 1922	Demarest, N. J.
*50020	____	____do____	____do____	Feb. 27, 1921	Jan. 27, 1922	Do.
†6964	____	____do____	____do____	Jan. 30, 1922	Feb. 14, 1922	Do.
6966	____	____do____	____do____	____do____	Dec. 9, 1922	Do.
†6980	____	____do____	____do____	Feb. 12, 1922	Mar. 3, 1922	Do.
†6993	____	____do____	____do____	Feb. 16, 1922	Feb. 17, 1922	Do.
6996	____	____do____	____do____	Feb. 19, 1922	Dec. 18, 1922	Do.
6996	____	____do____	____do____	____do____	Feb. 1, 1923	Do.
*55099	____	T. D. Carter.	Boonton, N. J.	Mar. 18, 1922	Feb. 7, 1923	Boonton, N. J
*47684	____	A. A. Allen.	Ithaca, N. Y.	Jan. 27, 1921	Jan. 29, 1922	Ithaca, N. Y.
*51550	____	____do____	____do____	Jan. 17, 1921	Jan. 4, 1922	Do.
*51550	____	____do____	____do____	____do____	Jan. 18, 1922	Do.
*16147	____	M. S. Crosby.	Rhinebeck, N. Y	Jan. 16, 1920	Feb. 5, 1921	Rhinebeck, N. Y
*16147	____	____do____	____do____	____do____	Feb. 3, 1922	Do.
*46173	____	____do____	____do____	Feb. 24, 1920	Feb. 26, 1921	Do
*46189	____	____do____	____do____	Mar. 16, 1920	Feb. 5, 1921	Do.
†13687	____	S. T. Danforth	Ithaca, N. Y.	Nov. 19, 1922	Dec. 15, 1922	Ithaca, N. Y.
†65636	____	R. E. Horsey.	Rochester, N. Y.	Dec. 24, 1922	Apr. 6, 1923	Rochester, N. Y.
†28631	____	H. E. Childs.	Pawtucket, R. I.	Feb. 10, 1923	Mar. 7, 1923	Pawtucket, R. I.

Chipping Sparrow: *Spizella passerina*

*38839	____	S. P. Baldwin.	Thomasville, Ga.	Mar. 26, 1917	Mar. 24, 1921	Thomasville, Ga.
*45408	____	____do____	____do____	Mar. 2, 1920	Mar. 16, 1922	Do.
*45419	____	____do____	____do____	Mar. 7, 1920	Mar. 21, 1922	Do.
*45448	____	____do____	____do____	Mar. 10, 1920	Feb. 28, 1921	Do.
*45484	____	____do____	____do____	Mar. 13, 1920	Mar. 27, 1921	Do.
*45489	____	____do____	____do____	____do____	Apr. 5, 1922	Do.
*45822	____	____do____	____do____	Mar. 14, 1920	Feb. 26, 1921	Do.
*45876	____	____do____	____do____	Mar. 19, 1920	Mar. 19, 1921	Do.
*45881	____	____do____	____do____	Mar. 20, 1920	Mar. 15, 1921	Do.
*45887	____	____do____	____do____	____do____	Mar. 1, 1921	Do.
*45924	____	____do____	____do____	Mar. 23, 1920	Mar. 3, 1921	Do.
*45924	____	____do____	____do____	____do____	Mar. 12, 1922	Do.
*46868	____	____do____	____do____	Feb. 21, 1921	Mar. 13, 1922	Do.
*46869	____	____do____	____do____	Feb. 22, 1921	Mar. 22, 1922	Do.
*46876	____	____do____	____do____	____do____	Mar. 13, 1922	Do.
*48518	____	____do____	____do____	Feb. 25, 1921	Apr. 8, 1922	Do.
*48520	____	____do____	____do____	____do____	Mar. 19, 1922	Do.
*48532	____	____do____	____do____	Feb. 26, 1921	____do____	Do.
*48553	____	____do____	____do____	Mar. 1, 1921	Mar. 25, 1922	Do.
*48570	____	____do____	____do____	Mar. 2, 1921	Mar. 20, 1922	Do.
*48572	____	____do____	____do____	____do____	Mar 13, 1922	Do
*48573	____	____do____	____do____	____do____	Mar. 26, 1922	Do.
*48580	____	____do____	____do____	Mar. 3, 1921	Mar. 28, 1922	Do
*48581	____	____do____	____do____	____do____	Mar. 13, 1922	Do.
*48584	____	____do____	____do____	____do____	Mar. 21, 1922	Do.

Chipping Sparrow—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
*48588	-----	S. P. Baldwin	Thomasville, Ga.	Mar. 3, 1921	Mar. 30, 1922	Thomasville, Ga.
*48608	-----	do	do	Mar. 5, 1921	Mar. 20, 1922	Do.
*48636	-----	do	do	Mar. 8, 1921	Mar. 27, 1922	Do.
*48667	-----	do	do	Mar 14, 1921	Mar. 19, 1922	Do.
*48670	-----	do	do	do	Mar. 21, 1922	Do
*48711	-----	do	do	Mar. 19, 1921	Mar. 13, 1922	Do.
*48744	-----	do	do	Mar. 27, 1921	Mar. 22, 1922	Do.
*48748	-----	do	do	Mar. 28, 1921	Mar. 18, 1922	Do.
*48751	-----	do	do	do	Apr. 5, 1922	Do
*48753	-----	do	do	do	Mar. 29, 1922	Do
*48754	-----	do	do	Mar. 29, 1921	Mar. 18, 1922	Do
22896	-----	do	do	Mar 14, 1921	Mar. 21, 1922	Do
†22922	-----	L. R. Talbot	do	Mar. 24, 1922	Mar. 24, 1922	Do.
22332	-----	E. P. Brown	Belfast, Me	June 22, 1922	May 9, 1923	Belfast, Me.
22333	-----	do	do	do	May 11, 1923	Do.
28710	-----	H. D. Chadwick.	Westfield, Mass.	Aug. 10, 1922	May 27, 1923	Westfield, Mass
26868	-----	L. B. Fletcher	Cohasset, Mass.	June 11, 1922	May 3, 1923	Cohasset, Mass.
26388	♂	Mrs. E. A. Herrick.	Topsfield, Mass.	Apr. 25, 1922	May 21, 1923	Topsfield, Mass.
29645	-----	do	do	May 17, 1922	May 16, 1923	Do.
29646	-----	do	do	do	May 14, 1923	Do.
29650	-----	do	do	May 21, 1922	May 4, 1923	Do.
29653	-----	do	do	May 23, 1922	do	Do.
†25011	-----	L. R. Talbot	Winnipesaukee, N. H.	July 17, 1922	Sept. 7, 1922	Winnipesaukee, N. H.
21228	-----	S. P. Baldwin	Gates Mills, Ohio.	June 15, 1921	June 20, 1921	Gates Mills, Ohio.
21376	-----	do	do	Sept. 14, 1921	July 9, 1922	Do.
21377	-----	do	do	do	July 4, 1922	Do.
†26539	-----	do	do	June 25, 1922	June 25, 1922	Do.
*38643	-----	do	do	Sept 12, 1916	Sept. 25, 1920	Do.
*46829	-----	do	do	Oct. 14, 1920	July 31, 1921	Do.
†30073	-----	Fr. Damian Smith.	Manchester, N. H.	May 23, 1922	May 24, 1922	Manchester, N. H
30074	-----	do	do	May 24, 1922	Apr. 25, 1923	Do.
*45080	-----	William Pepper.	Newtown, Pa.	May 31, 1920	May 17, 1921	Newtown, Pa.
*†48852	-----	T. D. Carter	Boonton, N. J.	May 27, 1921	June 10, 1921	Boonton, N. J.
†56152	-----	C. H. Preston	Danvers, Mass.	May 8, 1923	May 17, 1923	Danvers, Mass.
†59449	-----	Wilfrid Scott	Guelph, Ontario	June 22, 1923	June 24, 1923	Guelph, Ontario.
75051	♂	R. C. Flannigan.	Norway, Mich.	July 5, 1922	May 19, 1923	Norway, Mich.

Field Sparrow: *Spizella pusilla*

†22647	-----	W. I. Lyon	Waukegan, Ill.	Oct. 10, 1922	Oct. 14, 1922	Waukegan, Ill.

Slate-colored Junco: *Junco hyemalis*

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
25557	♂	Frank Novak	Fairfield, Conn.	Mar. 28, 1922	Apr. 1, 1923	Fairfield, Conn.
27451	♂	do	do	Apr. 19, 1922	Jan. 11, 1923	Do.
†22815		L. R. Talbot	Thomasville, Ga	Mar. 18, 1922	Mar. 18, 1922	Thomasville, Ga.
*29120	♂	W. I. Lyon	Waukegan, Ill.	Apr. 1, 1920	Feb. 7, 1921	Waukegan, Ill.
*29120	♂	do	do	do	Jan. 15, 1922	Do.
*50598	♂	do	do	Dec. 26, 1920	Dec. 17, 1922	Do.
*52402	♂	do	do	do	Dec. 21, 1921	Do.
*52402	♂	do	do	do	Feb. 7, 1923	Do.
*52671		do	do	Oct. 7, 1921	Apr. 22, 1922	Do.
*52677		do	do	do	Apr. 9, 1922	Do.
†7110		do	do	Nov. 1, 1921	Nov. 11, 1921	Do.
†7149		do	do	Nov. 12, 1921	Dec. 14, 1921	Do.
7231		do	do	Feb. 25, 1922	Jan. 3, 1923	Do.
†7278		do	do	Mar. 25, 1922	Apr. 20, 1922	Do.
7281		do	do	Mar. 22, 1922	Dec. 24, 1922	Do.
†13013		do	do	Oct. 19, 1921	Nov. 9, 1921	Do.
†22487	♀	do	do	Apr. 12, 1922	Apr. 15, 1922	D.
†22539		do	do	Apr. 16, 1922	Apr. 17, 1922	Do.
†22548		do	do	Apr 17, 1922	Apr. 20, 1922	Do.
†22565		do	do	Apr. 21, 1922	Apr. 29, 1922	Do.
†22664		do	do	Nov. 6, 1922	Dec. 9, 1922	Do.
†22665		do	do	do	Nov. 28, 1922	Do.
†22666		do	do	Nov. 7, 1922	do	Do.
†22669		do	do	do	do	Do
†32012		do	do	Nov. 20, 1922	Nov. 28, 1922	Do.
†32016		do	do	Nov. 21, 1922	do	Do.
†13364		Geo. Roberts	Lake Forest, Ill.	Apr. 12, 1922	Apr. 16, 1922	Lake Forest, Ill.
7435		Miss K. M. Hempel.	Elkader, Iowa	Dec. 17, 1921	Dec. 18, 1922	Elkader, Iowa.
†26411		B. W. Cartwright.	Sturgeon Creek, Manitoba.	Oct. 15, 1922	Oct. 18, 1922	Sturgeon Creek, Manitoba.
13500	♀	E. C. Meyers	Baltimore, Md.	Feb. 18, 1922	Feb. 8, 1923	Baltimore, Md.
†24620	♂	do	do	Feb. 6, 1923	Feb. 20, 1923	Do.
†24633	♀	do	do	Feb. 8, 1923	do	Do.
†12205	♀	Mrs. L. D. Morey.	Chevy Chase, Md.	Jan. 13, 1922	Jan. 27, 1922	Chevy Chase, Md.
14871	♂	Mrs. G. E. Burbank.	Sandwich, Mass.	Mar. 31, 1922	May 20, 1922[1]	Buckland, Mass.
†33776		R. B. Harding	Cohasset, Mass.	Jan. 29, 1923	Feb. 1, 1923	Cohasset, Mass.
†22140		R. B. Mackintosh.	Danvers, Mass.	Jan. 7, 1923	Jan. 12, 1923	Danvers, Mass.
†35377		Arthur Morley.	Swampscott, Mass.	Dec. 29, 1922	Jan. 4, 1923	Swampscott, Mass.
†63302		G. H. Priest	Brockton, Mass.	Jan. 7, 1923	Mar. 11, 1923	Brockton, Mass.
†35755		W. H. Ropes	Danvers, Mass.	Dec. 20, 1922	Jan. 10, 1923	Danvers, Mass.
†34743	♀	Miss L. M. Smith.	South Sudbury, Mass.	Dec. 17, 1922	Jan. 17, 1923	South Sudbury, Mass.
†65355	♀	do	do	Jan. 10, 1923	Jan. 11, 1923	Do.
6022		S. P. Jones	Webster Groves, Mo.	Dec. 22, 1921	Jan. 3, 1923	Marshall, Ill
12532		do	do	Feb. 2, 1922	Feb. 2, 1923	Webster Groves, Mo.
*50021		B. S. Bowdish	Demarest, N. J.	Feb. 27, 1921	Jan. 15, 1923	Demarest, N. J.
*45712		R. H. Howland.	Upper Montclair, N. J.	Mar. 13, 1920	Feb. 20, 1921	Upper Montclair, N. J.
*45740		do	do	Nov. 28, 1920	Oct. 15, 1921	Do.
*47127		do	do	Nov. 14, 1920	Feb. 20, 1921	Do.
*47130		do	do	Nov. 28, 1920	Feb. 23, 1921	Do.

[1] Date approximate.

Slate-colored Junco—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
*47136		R. H. Howland.	Upper Montclair, N. J.	Feb. 22, 1921	Jan. 7, 1923	Upper Montclair, N. J.
7308		do	do	Feb. 10, 1922	Mar. 25, 1923	Do.
*45752		A. A. Allen	Ithaca, N. Y	Jan. 4, 1919	Feb. 26, 1921	Ithaca, N. Y.
*45754		do	do	do	Dec. 18, 1922	Do.
*51531		do	do	Jan. 2, 1922	Mar. 7, 1923	Do.
†34792		M. D. Pirnie and A. A. Allen.	do	Feb. 19, 1923	Feb. 21, 1923	Do.
*16150		M. S. Crosby	Rhinebeck, N. Y	Jan. 16, 1920	Feb. 27, 1921	Rhinebeck, N. Y.
*27136		do	do	Jan. 21, 1920	Dec. 7, 1922	Do.
*27137		do	do	do	Jan. 23, 1922	Do.
*27137		do	do	do	Nov. 6, 1922	Do.
*29140		do	do	Mar. 19, 1920	Jan. 22, 1922	Do.
*29140		do	do	do	Jan. 30, 1923	Do.
*29142		do	do	Mar. 20, 1920	Jan. 27, 1922	Do.
*29142		do	do	do	Jan. 28, 1923	Do.
*46172		do	do	Feb. 23, 1920	Jan. 27, 1922	Do.
*46185		do	do	Feb. 28, 1920	Feb. 12, 1921	Do.
*46185		do	do	do	Dec. 5, 1921	Do.
*46195		do	do	Mar. 18, 1920	Dec. 25, 1920	Do.
*48207		do	do	Feb. 12, 1921	Nov. 5, 1922	Do.
*48207		do	do	do	Jan. 28, 1923	Do.
*†48846		do	do	Jan. 26, 1923	Jan. 31, 1923	Do.
6465		do	do	Dec. 23, 1921	Dec. 17, 1922	Do.
†6478		do	do	Jan. 19, 1922	Mar. 2, 1922	Do.
†6488		do	do	Mar. 1, 1922	Mar. 5, 1922	Do.
*50682		R. O. Merriman.	Hamilton, Ontario.	Oct. 26, 1920	Jan. 25, 1921	Hamilton, Ontario.
†61226		J. A. Gillespie	Glenolden, Pa	Nov. 27, 1922	Mar. 7, 1923	Glenolden, Pa.
*44720		I. H. Johnston	Charleston, W. Va.	Jan. 24, 1921 [2]	Sept. 7, 1922	Charleston, W. Va.

Song Sparrow: *Melospiza melodia*

*39665		Frank Novak	Fairfield, Conn	Sept. 23, 1922	Apr. 12, 1923	Fairfield, Conn.
25312		do	do	Mar. 21, 1922	Mar. 31, 1923	Do.
25560		do	do	Mar. 29, 1922	Apr. 11, 1923	Do.
27500		do	do	July 14, 1922	Mar. 31, 1923	Do.
*49470		Lewis Rumford.	Wilmington, Del.	Aug. 16, 1922	May 23, 1923	Wilmington, Del.
*†8591		E. R. Kalmbach.	Woodridge, D.C.	Mar. 15, 1921	Apr. 1, 1921	Woodridge, D. C.
*†8594		do	do	Mar. 22, 1921	Apr. 29, 1921	Do.
*50101	♀	W. I. Lyon	Waukegan, Ill	May 2, 1920	Apr. 13, 1921	Waukegan, Ill.
*50101	♀	do	do	do	Mar. 30, 1922	Do.
*52511		do	do	Apr. 22, 1921	Aug. 12, 1922	Do.
*52638		do	do	Oct. 6, 1921	Apr. 23, 1922	Do.
*53638		do	do	Apr. 28, 1920	Apr. 25, 1921	Do.
*54334		do	do	Mar. 20, 1921	Apr. 19, 1922	Do.
†22345		E. P. Brown	Belfast, Me	Aug. 16, 1922	Aug. 18, 1922	Belfast, Me.
†24636		E. C. Meyers	Baltimore, Md	Feb. 10, 1923	Feb. 20, 1923	Baltimore, Md.
6313		Mrs. L. D. Morey.	Chevy Chase, Md.	Oct. 14, 1921	Apr. 3, 1922	Chevy Chase, Md.

[2] Date approximate.

Song Sparrow—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
†27254		A. C. Bagg	Holyoke, Mass.	May 9, 1922	May 12, 1922	Holyoke, Mass.
†65205		do	do	Mar. 28, 1923	Mar. 29, 1923	Do.
†65208		do	do	Mar. 31, 1923	Mar. 31, 1923	Do.
†22323		R. L. Coffin	Amherst, Mass.	Apr. 7, 1922	Apr. 11, 1922	Amherst, Mass.
13938		R. L. Elwell	Melrose Highlands, Mass.	July 15, 1922	Apr. 2, 1923	Haverhill, Mass.
11006		L. B. Fletcher	Cohasset, Mass.	May 28, 1921	May 13, 1922	Cohasset, Mass.
11006		do	do	do	Apr. 20, 1923	Do.
11070		do	do	May 28, 1922	Apr. 26, 1923	Do.
28070		do	do	July 6, 1922	Jan. 11, 1923	Do.
28070		do	do	do	Feb. 28, 1923	Do.
28071		do	do	do	Apr. 18, 1923	Do.
27051		Sydney Harris.	Chilmark, Mass.	June 17, 1922	Apr. 8, 1923	Chilmark, Mass.
27052		do	do	May 29, 1922	Mar. 30, 1923	Do.
27053		do	do	May 27, 1922	June 9, 1923	Do.
27054		do	do	May 20, 1922	Apr. 26, 1923	Do.
28190		do	do	Sept. 26, 1922	Apr. 14, 1923	Do.
31362		do	do	Aug. 28, 1922	Apr. 29, 1923	Do.
31369		do	do	Aug. 29, 1922	Mar. 31, 1923	Do.
74792		do	do	July 23, 1922	Mar. 27, 1923	Do.
74793		do	do	July 20, 1922	Apr. 12, 1923	Do.
75656		do	do	Aug. 6, 1922	Mar. 28, 1923	Do.
75658		do	do	Aug. 7, 1922	June 9, 1923	Do.
24885		Mrs. E. L. Hathaway.	W. Bridgewater, Mass.	July 23, 1922	Apr. 11, 1923	West Bridgewater, Mass.
24885		do	do	do	Aug. 9, 1923	Do.
†52958		J. D. Houghton.	Chestnut Hill, Mass.	Apr. 1, 1923	June 7, 1923	Chestnut Hill, Mass.
30215		Arthur Morley.	Swampscott, Mass.	June 18, 1922	Mar. 31, 1923	Swampscott, Mass.
†39194		W. B. Savary	E. Wareham, Mass.	Mar. 2, 1923	June 21, 1923	East Wareham, Mass.
†31080		C. L. Whittle.	Cohasset, Mass.	Dec. 29, 1922	Jan. 30, 1923	Cohasset, Mass.
†12029		M. J. Magee	Sault Ste. Marie, Mich.	Apr. 25, 1922	Aug. 27, 1922	Sault Ste. Marie, Mich.
27273		Fr. Damian Smith.	Manchester, N. H.	May 9, 1922	Apr. 24, 1923	Manchester, N. H.
27276		do	do	Apr. 30, 1922	Apr. 16, 1923	Do.
27287		do	do	Apr. 20, 1922	May 4, 1923	Do.
30078		do	do	May 16, 1922	Apr. 2, 1923	Do.
*50022		B. S. Bowdish.	Demarest, N. J.	Apr. 11, 1921	Aug. 14, 1921	Demarest, N. J.
*50023	♀	do	do	Apr. 26, 1921	Mar. 17, 1922	Do.
*50024		do	do	do[1]	July 9, 1922	Do.
*50045		do	do	July 13, 1921	July 18, 1922	Do.
14757		do	do	July 29, 1922	Dec. 17, 1922	Do.
*44699		R. H. Howland.	Upper Montclair, N. J.	Nov. 11, 1920	Oct. 27, 1921	Upper Montclair, N. J.
*44699		do	do	do	Dec. 7, 1922	Do.
*45718		do	do	Mar. 28, 1920	Mar. 6, 1921	Do.
*47118		do	do	Aug. 8, 1920	Feb. 21, 1921	Do.
*47143		do	do	Apr. 12, 1921	Mar. 23, 1922	Do.
*47143		do	do	do	Mar. 23, 1923	Do.
*47150		do	do	May 10, 1921	Feb. 13, 1922	Do.
*48475		do	do	May 30, 1921	Mar. 19, 1922	Do.
7344		do	do	Apr. 27, 1922	Mar. 24, 1923	Do.
27023		do	do	June 24, 1922	Mar. 17, 1923	Do.

[1] Date approximate.

Song Sparrow—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
*44475		A. A. Allen	Ithaca, N. Y.	— — 1919	Apr. 28, 1920	Ithaca, N. Y.
*46959		do	do	Apr. 30, 1920	May 15, 1922	Do.
*47057		do	do	June 30, 1920	Aug. 3, 1921	Do.
*50177		do	do	Apr. 27, 1920	Mar. 13, 1921	Do.
*55019		Verdi Burtch	Branchport, N. Y.	July 24, 1922	Mar. 22, 1923	Branchport, N. Y.
7069		do	do	Mar. 27, 1922	July 27, 1922	Do.
17917		do	do	Aug. 9, 1922	Apr. 9, 1923	Do.
*46408		M. S. Crosby	Rhinebeck, N. Y.	Apr. 13, 1920	Oct. 2, 1920	Rhinebeck, N. Y.
*46479		do	do	Apr. 27, 1920	Oct. 10, 1920	Do.
*46479		do	do	do	May 2, 1921	Do.
*46495		do	do	Sept. 27, 1920	Apr. 22, 1921	Do.
*46496		do	do	do	May 1, 1921	Do.
*47201		do	do	do	Apr. 25, 1921	Do.
*47202		do	do	Sept. 28, 1920	July 30, 1921	Do.
*47204		do	do	Oct. 2, 1920	Mar. 25, 1921	Do.
*48233		do	do	Apr. 3, 1921	Mar. 25, 1922	Do.
*48241		do	do	Apr. 25, 1921	Apr. 3, 1922	Do.
*48263		do	do	July 27, 1921	Mar. 30, 1922	Do.
*48278		do	do	Aug. 3, 1921	do	Do.
*48279		do	do	Aug. 7, 1921	Mar. 31, 1922	Do.
30481		R. E. Horsey	Rochester, N. Y.	May 27, 1922	Apr. 9, 1923	Rochester, N. Y.
30484		do	do	July 18, 1922	Mar. 26, 1923	Do.
30485		do	do	July 29, 1922	Apr. 6, 1923	Do.
*†49572		L. H. Snyder	Cold Spring Harbor, Long Island, N. Y.	Aug. 12, 1922	Aug. 15, 1922	Cold Spring Harbor, Long Island, N. Y.
*45348		S. P. Baldwin.	Gates Mills, Ohio.	July 3, 1919	May 17, 1921	Gates Mills, Ohio.
*45359		do	do	July 18, 1919	July 31, 1920	Do.
*45399		do	do	Oct. 7, 1919	June 4, 1920	Do.
*45989		do	do	July 5, 1920	July 7, 1921	Do.
*46044		do	do	July 25, 1920	May 14, 1921	Do.
*46047		do	do	do	June 15, 1921	Do.
*46731		do	do	Sept. 18, 1920	June 4, 1921	Do.
*48774		do	do	May 24, 1921	July 18, 1922	Do.
6837		do	do	Oct. 29, 1921	Sept. 14, 1922	Do.
†21261		do	do	June 18, 1921	July 3, 1921	Do.
21277		do	do	July 4, 1921	June 8, 1922	Do.
21282		do	do	July 5, 1920	July 7, 1921	Do.
21282		do	do	do	Sept. 8, 1922	Do.
21306		do	do	July 16, 1921	July 20, 1922	Do.
21309		do	do	July 17, 1921	July 2, 1922	Do.
21310		do	do	do	July 6, 1922	Do.
21347		do	do	July 28, 1921	July 9, 1922	Do.
26562		do	do	July 6, 1922	June 10, 1923	Do.
†26614		do	do	July 15, 1922	July 16, 1922	Do.
26617		do	do	July 16, 1922	June 16, 1923	Do.
†6351		A. B. Williams.	Willoughby, Ohio.	Aug. 22, 1921	Sept. 4, 1921	Willoughby, Ohio.
†61233		J. A. Gillespie.	Glenolden, Pa.	Dec. 23, 1922	Jan. 25, 1923	Glenolden, Pa.
†61243		do	do	Jan. 18, 1923	Mar. 7, 1923	Do.
†61245		do	do	Jan. 26, 1923	do	Do.
*46257		Miss Esther Heacock.	Wyncote, Pa.	Dec. 29, 1920	Apr. 23, 1922	Wyncote, Pa.
*50151		William Pepper.	Newtown Square, Pa.	Oct. 26, 1920	June 8, 1921	Newtown Square, Pa.

Song Sparrow—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
†42280	-----	R. F. Marshall	Barrington, R. I.	Mar. 7, 1923	Mar. 30, 1923	Barrington, R. I.
*48937	-----	J. A. Sinclair	Enosburg Falls, Vt.	Sept. 17, 1921	Apr. 1, 1922	Enosburg Falls, Vt.
*†27174	-----	I. H. Johnston	Charleston, W. Va.	Nov. 27, 1922	Dec. 27, 1922	Charleston, W. Va.
*47479	-----	----do----	----do----	June 27, 1922	Feb. 18, 1923	Do.

Fox Sparrow: *Passerella iliaca*

*†54400	-----	W. I. Lyon	Waukegan, Ill.	Nov. 22, 1921	Dec. 4, 1921	Waukegan, Ill.
†13956	-----	W. P. Wharton.	Groton, Mass.	Apr. 1, 1922	Apr. 3, 1922[2]	Groton, Mass.

Towhee: *Pipilo erythrophthalmus*

*†52306	♂	S. P. Baldwin	Thomasville, Ga.	Mar. 3, 1921	Mar. 5, 1921	Thomasville, Ga.
28187	♂	Sydney Harris	Chilmark, Mass.	July 21, 1922	May 16, 1923	Chilmark, Mass.
†106040	♂	----do----	----do----	Sept. 18, 1922	Nov. 7, 1922[2]	Do.
†16368	♂	B. S. Bowdish	Demarest, N. J.	Dec. 22, 1922	Jan. 21, 1923	Demarest, N. J.
†42002	-----	C. L. Morse	Montclair, N. J.	May 5, 1923	May 19, 1923	Montclair, N. J.

Anthony Towhee: *Pipilo crissalis senicula*

†12725	-----	J. E. Law	Pasadena, Calif.	Oct. 27, 1922	Dec. 21, 1922	Pasadena, Calif.

Cardinal: *Cardinalis cardinalis*

*50390	-----	E. R. Kalmbach.	Woodridge, D. C.	July 24, 1921	May 10, 1922	Woodridge, D. C.
*55198	♀	Miss M. J. Pellew.	Washington, D. C.	Oct. 18, 1920	Feb. 25, 1921	Washington, D. C.
*55199	♀	----do----	----do----	----do----	Feb. 21, 1921	Do.
*32197	♀	S. P. Baldwin	Thomasville, Ga.	Mar. 20, 1917	Feb. 13, 1920	Thomasville, Ga.
*41898	♀	----do----	----do----	Mar. 12, 1917	Mar. 28, 1921	Do.
*53077	♂	----do----	----do----	Feb. 16, 1920	Mar. 22, 1921	Do.
*53094	♂	----do----	----do----	Mar. 13, 1920	Mar. 19, 1921	Do.
*55205	♀	----do----	----do----	Feb. 22, 1921	Apr. 1, 1922	Do.
*55208	♀	----do----	----do----	Feb. 24, 1921	Apr. 2, 1922	Do.
*55213	♂	----do----	----do----	Mar. 4, 1921	Mar. 21, 1922	Do.
*55213	♂	----do----	----do----	----do----	Apr. 3, 1922	Do.
*55228	♀	----do----	----do----	Mar. 28, 1921	Mar. 22, 1922	Do.
16518	♂	Miss K. M. Hempel.	Elkader, Iowa	May 3, 1922	May 7, 1923	Elkader, Iowa.
12215	♂	Mrs. L. D. Morey.	Chevy Chase, Md.	Jan. 26, 1922	Jan. 7, 1923	Chevy Chase, Md
†28208	♂	J. A. Laughlin	Marshall, Mo.	Nov. 28, 1922	Apr. 8, 1923	Marshall, Mo

[2] Date approximate.

Cardinal—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
19925	-----	A. F. and E. A. Satterthwait.	Webster Groves, Mo.	May 23, 1922	Feb. 11, 1923	Webster Groves, Mo.
15862	♀	Mrs. M. H. Wegener.	-----do-----	Dec. 26, 1921	Feb. 4, 1923	Do.
*†11862	♀	Miss Esther Heacock.	Wyncote, Pa----	Dec. 25, 1919	Jan. 18, 1920	Wyncote, Pa.
*†19373	-----	-----do-----	-----do-----	-----do-----	-----do-----	Do.

Rose-breasted Grosbeak: *Hedymeles ludoviciana*

107030	-----	W. I. Lyon---	Waukegan, Ill---	May 7, 1923	June 3, 1923	Lake Forest, Ill.
*49510	♂	Geo. Roberts--	Lake Forest, Ill-	May 25, 1919	May 2, 1920	Do.
*49510	♂	-----do-----	-----do-----	-----do-----	May 4, 1923	Do.

Purple Martin: *Progne subis*

†15154	♀	D. H. Boyd---	Hobart, Ind----	July 27, 1921	July 28, 1921	Hobart, Ind.
†69870	-----	Miss K. M. Hempel.	Elkader, Iowa---	June 26, 1923	June 27, 1923	Elkader, Iowa.
†45884	-----	F. W. Rapp---	Vicksburg, Mich.	July 19, 1923	July 31, 1923	Vicksburg, Mich.
†45903	-----	-----do-----	-----do-----	-----do-----	July 20, 1923	Do.
†45936	-----	-----do-----	-----do-----	July 10, 1923	-----do-----	Do.
†104232	-----	-----do-----	-----do-----	June 25, 1922	Sept. 29, 1922	Do.
†18999	-----	B. H. Warren-	West Chester, Pa.	July 16, 1921	July 16, 1921	West Chester, Pa.

Cliff Swallow: *Petrochelidon lunifrons*

†74729	-----	H. E. Childs--	Sweden, Me----	July 18, 1922	Aug. 16, 1922	Sweden, Me.
†74730	-----	-----do-----	-----do-----	-----do-----	-----do-----	Do.
†74731	-----	-----do-----	-----do-----	-----do-----	-----do-----	Do.
†75842	-----	-----do-----	-----do-----	-----do-----	-----do-----	Do.
†75857	-----	-----do-----	-----do-----	-----do-----	-----do-----	Do.

Barn Swallow: *Hirundo erythrogastra*

†56925	-----	Miss L. M. Smith.	South Sudbury, Mass.	May 7, 1923	May 15, 1923[2]	Wayland, Mass.

Tree Swallow: *Iridoprocne bicolor*

11646	-----	P. F. Foran---	Ottawa, Ontario	June 19, 1922	May 28, 1923	Ottawa, Ontario.
11652	-----	-----do-----	-----do-----	-----do-----	June 13, 1923	Do.
†30117	-----	H. E. Childs--	Smithfield, R. I-	June 15, 1922	Aug. 4, 1922	Smithfield, R. I.
†30127	-----	-----do-----	-----do-----	Aug. 4, 1922	Aug. 5, 1922[2]	Do.

[2] Date approximate.

Cedar Waxwing: *Bombycilla cedrorum*

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
66322	-----	W. I. Lyon---	Waukegan, Ill---	Mar. 29, 1923	Apr. 10, 1923	Racine, Wis.
†69767	-----	S. T. Danforth.	Squirrel Island, Me.	Aug. 1, 1923	Aug. 2, 1923	Squirrel Island, Me.
†11632	-----	P. F. Foran---	Ottawa, Ontario	July 20, 1921	July 20, 1921.	Ottawa, Ontario.
†16616	-----	Miss I. A. Howe.	St. Johnsbury, Vt.	July 19, 1922	July 21, 1922	St. Johnsbury, Vt.

Myrtle Warbler: *Dendroica coronata*

*27290	-----	S. P. Baldwin.	Thomasville, Ga.	Feb. 28, 1917	Mar. 7, 1920	Thomasville, Ga.
*27290	-----	-----do-----	-----do-----	-----do-----	Mar. 1, 1921	Do.
*27440	-----	-----do-----	-----do-----	Mar. 1, 1917	Mar. 19, 1920	Do.
*45433	-----	-----do-----	-----do-----	Mar. 8, 1920	Feb. 21, 1921	Do.
*45478	-----	-----do-----	-----do-----	Mar. 12, 1920	Feb. 22, 1921	Do.
*45493	-----	-----do-----	-----do-----	Mar. 13, 1920	Feb. 21, 1921	Do.
*48528	-----	-----do-----	-----do-----	Feb. 26, 1921	Mar. 21, 1922	Do.

Bay-breasted Warbler: *Dendroica castanea*

†74563	-----	W. Taylor A.	Unity, Me-----	July 20, 1922	July 20, 1922	Unity, Me.

Black-poll Warbler: *Dendroica striata*

†7917	-----	R. W. Tufts---	Seal Island, Nova Scotia.	June 23, 1922	June 30, 1922	Seal Island, Nova Scotia.

Black-throated Green Warbler: *Dendroica virens*

†35795	-----	Miss C. J. Stanwood.	Ellsworth, Me--	July 3, 1923	July 3, 1923	Ellsworth, Me.
†35800	-----	-----do-----	-----do-----	-----do-----	-----do-----	Do.

Ovenbird: *Seiurus aurocapillus*

†75140	-----	S. E. Perkins.	Indianapolis, Ind.	Sept. 15, 1922	Sept. 30, 1922	Indianapolis, Ind.

Mockingbird: *Mimus polyglottos*

*53086	-----	S. P. Baldwin.	Thomasville, Ga.	Feb. 19, 1920	Feb. 22, 1921	Thomasville, Ga.

Catbird: *Dumetella carolinensis*

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
*†54302	♂	W. I. Lyon	Waukegan, Ill.	June 20, 1920	June 21, 1922	Waukegan, Ill.
*54353		do	do	May 10, 1921	May 8, 1922	Do.
*54353		do	do	do	June 2, 1923	Do.
†68968		Earl Brooks	Noblesville, Ind.	June 14, 1923	July 13, 1923	¼ mile from Noblesville, Ind.
†110958		do	do	May 1, 1923	May 7, 1923	Noblesville, Ind.
*54898		Miss K. M. Hempel.	Elkader, Iowa	June 12, 1921	May 18, 1922	Elkader, Iowa.
*54898		do	do	do	May 17, 1923	Do.
*54899		do	do	June 9, 1921	May 16, 1923	Do.
*55003		do	do	June 12, 1921	June 18, 1922	Do.
15788		do	do	May 27, 1922	June 29, 1923	Do.
15796		do	do	June 12, 1922	June 15, 1923	Do.
16517		do	do	May 12, 1922	May 18, 1923	Do.
28943		do	do	July 7, 1922	May 10, 1923	Do.
11493		Mrs. B. P. Reed.	Lawrence, Kans	May 14, 1922	May 25, 1923	Lawrence, Kans.
†25846		Mrs. L. D. Morey.	Chevy Chase, Md.	May 13, 1922	May 14, 1922	Chevy Chase, Md.
16352	♂	B. S. Bowdish	Demarest, N. J.	June 26, 1922	May 9, 1923	Demarest, N. J.
*50372		R. H. Howland.	Upper Montclair, N. J.	May 9, 1922	May 11, 1923	Upper Montclair, N. J.
*53471		do	do	May 15, 1920	July 16, 1922	Do.
*53471		do	do	do	May 25, 1923	Do.
29199		R. E. Horsey	Rochester, N. Y.	July 30, 1922	May 8, 1923	Rochester, N. Y.
*29465		S. P. Baldwin	Gates Mills, Ohio.	June 22, 1920	May 15, 1921	Gates Mills, Ohio.
*53034		do	do	May 15, 1919	May 19, 1921	Do.
*53913		do	do	June 4, 1920	May 15, 1921	Do.
*53913		do	do	do	July 15, 1922	Do.
*†53823		R. D. Book	Corning, Ohio	June 4, 1922	June 9, 1922	Corning, Ohio.
*53149		William Pepper.	Newtown Square, Pa.	May 9, 1920	May 29, 1921	Newtown Square, Pa
*†54179		do	do	June 12, 1921	June 17, 1921	Do.
*†54189		do	do	June 18, 1921	June 25, 1921	Do.
*53153		do	do	May 15, 1920	May 27, 1921	Do.
*53165		do	do	May 30, 1920	May 28, 1921	Do.

Brown Thrasher: *Toxostoma rufum*

*19247		S. P. Baldwin	Thomasville, Ga.	Feb. 27, 1915	Mar. 4, 1916	Thomasville, Ga.
*19247		do	do	do	Mar. 11, 1917	Do.
*19247		do	do	do	Feb. 16, 1920	Do.
*19247		do	do	do	Mar. 28, 1922	Do.[16]
*40796		do	do	1917	Mar. 16, 1920	Do.
*53085		do	do	Feb. 19, 1920	Mar. 22, 1922	Do.
*53092		do	do	Feb. 29, 1920	Mar. 29, 1921	Do.
*53092		do	do	do	Apr. 6, 1922	Do.
*53093		do	do	Mar. 10, 1920	Feb. 23, 1921	Do.
*55217		do	do	Mar. 16, 1921	Mar. 22, 1922	Do.
*55227		do	do	Mar. 26, 1921	Mar. 28, 1922	Do.
*57633	♀	W. I. Lyon	Waukegan, Ill.	June 23, 1920	Apr. 24, 1921	Waukegan, Ill.
*57642	♀	do	do	June 27, 1920	May 21, 1921	Do.
*57642	♀	do	do	do	May 21, 1922	Do

[16] Band broke and was replaced with A. B. B. A. No. 57742.

Brown Thrasher—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
†8704		W. I. Lyon	Waukegan, Ill.	Aug. 6, 1922	Sept. 11, 1922	Waukegan, Ill.
15212		Mrs. B. P. Reed	Lawrence, Kans.	June 13, 1921	June 17, 1921	Lawrence, Kans.
15224		do	do	July 2, 1921	July 2, 1922	Do.
15229		do	do	July 5, 1921	May 16, 1922	Do.
16304		Mrs. L. D. Morey	Chevy Chase, Md.	Apr. 24, 1922	Sept. 14, 1922	Chevy Chase, Md.
*57813		B. S. Bowdish	Demarest, N. J.	July 22, 1922	July 22, 1923	Demarest, N. J.
*42093		R. H. Howland	Upper Montclair, N. J.	May 28, 1921	May 3, 1923	Upper Montclair, N. J.
19324		do	do	May 11, 1922	May 5, 1923	Do.
*53035		S. P. Baldwin	Gates Mills, Ohio.	May 16, 1917	June 15, 1920	Gates Mills, Ohio.
*53038		do	do	June 10, 1919	July 20, 1920	Do.
*53050		do	do	June 28, 1919	Mar. 25, 1922	Near Selma, Ala.
*53925		do	do	July 4, 1920	May 15, 1921	Gates Mills, Ohio.
*†55502		O. L. Mitchell	Cuyahoga Falls, Ohio.	May 5, 1921	May 15, 1921	Cuyahoga Falls, Ohio.
*53151		William Pepper	Newtown Square, Pa.	May 14, 1920	June 1, 1921	Newtown Square, Pa.
*53152		do	do	May 15, 1920	June 24, 1921	Do.

Carolina Wren: *Thryothorus ludovicianus*

†34780		A. D. Moore	South Haven, Mich.	Nov. 27, 1922	Jan. 13, 1923	South Haven, Mich.
†58391		Mrs. A. R. Purvis.	Charleston, W. Va.	June 9, 1923	June 10, 1923	Charleston, W. Va.
†58393		do	do	do	do	Do.

House Wren: *Troglodytes aedon*

21042		W. I. Lyon	Waukegan, Ill.	June 23, 1921	June 9, 1922[1]	Wilmette, Ill.
†38778		Mrs. F. L. Batell.	Ames, Iowa	May 3, 1923	June 17, 1923	Ames, Iowa.
*†47831		Mrs. B. P. Reed	Lawrence, Kans.	June 12, 1921	June 19, 1921	Lawrence, Kans.
7027	♀	J. Van Tyne	Ann Arbor, Mich.	May 23, 1922	June 8, 1923	Ann Arbor, Mich.
*48478	♂	R. H. Howland	Upper Montclair, N. J.	June 19, 1921	Aug. 6, 1922	Upper Montclair, N. J.
*27062		A. A. Allen	Ithaca, N. Y.	July 14, 1920	June 6, 1921	Ithaca, N. Y.
*45303		S. P. Baldwin	Gates Mills, Ohio.	June 17, 1919	June 17, 1920	Gates Mills, Ohio.
*45303		do	do	do	June 6, 1922	Do.
*45325		do	do	—, 1919	July 7, 1920	Do.
*45335	♂	do	do	June 24, 1919	June 15, 1920	Do.
*45335	♂	do	do	do	June 14, 1921	Do.
*45335	♂	do	do	do	June 7, 1922	Do.
*45342	♂	do	do	June 26, 1919	June 17, 1920	Do.
*45342	♂	do	do	do	June 2, 1921	Do.
*45342	♂	do	do	do	June 14, 1922	Do.
*45349		do	do	July 4, 1919	July 24, 1920	Do.
*45963		do	do	June 17, 1920	June 14, 1921	Do.
*45968		do	do	June 22, 1920	July 13, 1921	Do.

[1] Date approximate.

House Wren—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
*46006	-----	S. P. Baldwin	Gates Mills, Ohio	July 13, 1920	June 4, 1921	Gates Mills, Ohio.
*48775	♂	----do----	----do----	May 25, 1921	June 14, 1922	Do.
*48785	♂	----do----	----do----	June 2, 1921	June 19, 1922	Do.
*48785	♂	----do----	----do----	----do----	June 24, 1923	Do.
21212	-----	----do----	----do----	June 7, 1921	June 13, 1922	Do.
21212	-----	----do----	----do----	----do----	June 10, 1923	Do.
21231	♂	----do----	----do----	June 16, 1921	June 12, 1922	Do.
21264	♂	----do----	----do----	June 25, 1921	June 8, 1922	Do.
22995	♂	----do----	----do----	June 7, 1922	Apr. 24, 1923	Do.
†26507	-----	----do----	----do----	June 13, 1922	June 13, 1922	Do.
26533	-----	----do----	----do----	June 21, 1922	June 30, 1923 [2]	Do.
26546	♂	----do----	----do----	June 29, 1922	June 28, 1923	Do.
26600	♂	----do----	----do----	July 13, 1922	June 16, 1923	Do.
26601	♂	----do----	----do----	----do----	June 10, 1923	Do.
21128	-----	H. F. Cant	Galt, Ontario	Aug. 6, 1921	July 6, 1922	Galt, Ontario.
*45081	-----	William Pepper	Newtown Square, Pa.	June 11, 1920	Apr. 24, 1921	Newtown Square, Pa.
*45090	-----	----do----	----do----	July 17, 1920	May 14, 1921	Do.
*46916	-----	----do----	----do----	June 17, 1921	June 17, 1923	Do.

White-breasted Nuthatch: *Sitta carolinensis*

*49504	-----	George Roberts	Lake Forest, Ill.	Dec. 28, 1921	Dec. 20, 1922	Lake Forest, Ill.
*47553	-----	Miss K. M. Hempel.	Elkader, Iowa	Jan. 23, 1921	Mar. 13, 1922	Elkader, Iowa.
7434	-----	----do----	----do----	Dec. 21, 1921	Nov. 18, 1922	Do.
7434	-----	----do----	----do----	----do----	Jan. 22, 1923	Do.
7434	-----	----do----	----do----	----do----	May 12, 1923	Do.
7441	-----	----do----	----do----	Jan. 17, 1922	Nov. 20, 1922	Do.
†75635	-----	----do----	----do----	Dec. 7, 1922	Jan. 12, 1923	Do.
75641	-----	----do----	----do----	Nov. 17, 1922	June 13, 1923	Do.
75641	-----	----do----	----do----	----do----	Nov. 5, 1923	Do.
†21522	-----	Mrs. B. P. Reed	Lawrence, Kans.	Oct. 21, 1921	Nov. 17, 1921	Lawrence, Kans.
*47934	-----	J. Van Tyne	Ann Arbor, Mich.	Oct. 16, 1921	Jan. 1, 1923	Ann Arbor, Mich.
*29145	-----	M. S. Crosby	Rhinebeck, N. Y.	Mar. 20, 1920	Oct. 30, 1920	Rhinebeck, N. Y
*29145	-----	----do----	----do----	----do----	Jan. 23, 1921	Do.
*46416	-----	----do----	----do----	Apr. 14, 1920	----do----	Do.
*46416	-----	----do----	----do----	----do----	Oct. 16, 1921	Do.
*46616	-----	----do----	----do----	----do----	Nov. 4, 1922	Do.
*46417	-----	----do----	----do----	----do----	Mar. 13, 1921	Do.
*48201	-----	----do----	----do----	Jan. 23, 1921	Jan. 20, 1922	Do.
†6463	-----	----do----	----do----	Dec. 9, 1921	Dec. 22, 1921	Do.
†6493	-----	----do----	----do----	Mar. 5, 1922	Apr. 10, 1922	Do.

Red-breasted Nuthatch: *Sitta canadensis*

*44295	-----	George Roberts.	Lake Forest, Ill.	Nov. 13, 1921	Mar. 22, 1922	Lake Forest, Ill.
*44299	-----	----do----	----do----	Nov. 21, 1921	----do----	Do.

[2] Date approximate.

Tufted Titmouse: *Baeolophus bicolor*

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
12536	-----	S. P. Jones	Webster Groves, Mo.	Nov. 27, 1921	Jan. 6, 1923	Webster Groves, Mo.
12539	-----	do	do	Dec. 5, 1921	do	Do.
30429	-----	Johnson Neff	Marionville, Mo.	June 1, 1922	Dec. 22, 1922	Marionville, Mo.
21975	-----	A. F. and E. A. Satterthwait.	Webster Groves, Mo.	Jan. 22, 1922	Nov. 19, 1922	Webster Groves, Mo.

Chickadee: *Penthestes atricapillus*

7189	-----	W. I. Lyon	Waukegan, Ill.	Nov. 24, 1921	Jan. 1, 1922	Waukegan, Ill.
†7225	-----	do	do	Feb. 1, 1922	Feb. 22, 1922	Do.
*44292	-----	George Roberts.	Lake Forest, Ill.	Nov. 20, 1921	Mar. 21, 1922	Lake Forest, Ill.
*47551	-----	Miss K. M. Hempel.	Elkader, Iowa	Dec. 24, 1920	Oct. 14, 1921	Elkader, Iowa.
*47551	-----	do	do	do	Nov. 17, 1922	Do.
*47556	-----	do	do	Feb. 2, 1921	Feb. 28, 1922	Do.
*47557	-----	do	do	Feb. 8, 1921	Nov. 5, 1921	Do.
*47557	-----	do	do	do	Nov. 19, 1922	Do.
*48440	-----	do	do	Apr. 26, 1921	Dec. 2, 1921	Do.
7442	-----	do	do	Jan. 16, 1922	Nov. 22, 1922	Do.
25248	-----	Mrs. G. E. Burbank.	Sandwich, Mass.	Mar. 31, 1922	Dec. 6, 1922	Sandwich, Mass.
25249	-----	do	do	Apr. 2, 1922	Dec. 5, 1922	Do.
25250	-----	do	do	do	Dec. 6, 1922	Do.
*47940	-----	J. Van Tyne	Ann Arbor, Mich.	Dec. 20, 1920	Dec. 23, 1922	Ann Arbor, Mich.
*47944	-----	do	do	Dec. 18, 1920	Dec. 27, 1921	Do.
*47944	-----	do	do	do	Mar. 3, 1922	Do.
7012	-----	do	do	Dec. 13, 1921	Oct. 26, 1922	Do.
7014	-----	do	do	Dec. 20, 1921	Dec. 28, 1922	Do.
7018	-----	do	do	Dec. 27, 1921	Dec. 24, 1922	Do.
*50640	-----	A. A. Allen	Ithaca, N. Y.	Jan. 4, 1922	Jan. 20, 1923	Ithaca, N. Y.
*51542	-----	do	do	Mar. 7, 1921	Jan. 8, 1922	Do.
*51542	-----	do	do	do	Dec. 21, 1922	Do.
*27142	-----	M. S. Crosby	Rhinebeck, N. Y.	Jan. 22, 1920	Feb. 12, 1921	Rhinebeck, N. Y.
*29138	-----	do	do	Mar. 18, 1920	Feb. 26, 1921	Do.
*29150	-----	do	do	Mar. 22, 1920	Oct. 14, 1921	Do.
*46174	-----	do	do	Feb. 24, 1920	Feb. 26, 1921	Do.
*46192	-----	do	do	Mar. 16, 1920	Jan. 9, 1921	Do.
*46192	-----	do	do	do	Jan. 20, 1921	Do.
*46193	-----	do	do	Mar. 17, 1920	Jan. 8, 1921	Do.
*46193	-----	do	do	do	Nov. 25, 1921	Do.
*46199	-----	do	do	Mar. 18, 1920	Feb. 12, 1921	Do.
*46199	-----	do	do	do	Jan. 23, 1922	Do.
*47270	-----	do	do	Dec. 19, 1920	Nov. 25, 1921	Do.
6460	-----	do	do	Dec. 1, 1921	Nov. 19, 1922	Do.
†6490	-----	do	do	Mar. 4, 1922	Mar. 8, 1922	Do.
*44723	-----	I. H. Johnston.	Charleston, W. Va.	Feb. 13, 1921	Jan. 31, 1923	Charleston, W. Va.
*47460	-----	do	do	Feb. 26, 1921	Feb. 7, 1923	Do.

Carolina Chickadee: *Penthestes carolinensis*

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
6024	-----	S. P. Jones	Webster Groves, Mo.	Dec. 28, 1921	Dec. 31, 1922	Webster Groves, Mo.
†21956	-----	A. F. and E. A. Satterthwait.	----do	June 18, 1922	June 19, 1922	Do.
†21974	-----	----do	----do	Dec. 4, 1921	Apr. 16, 1922	Do.

Hermit Thrush: *Hylocichla guttata pallasi*

*16246	-----	S. B. Baldwin	Thomasville, Ga.	Feb. 13, 1917	Feb. 23, 1920	Thomasville, Ga.

Robin: *Planesticus migratorius*

103020	♂	W. W. Arnold	Colorado Springs, Colo.	Oct. 5, 1922	Mar. 5, 1923	Colorado Springs, Colo
15398	-----	Miss A. B. Copeland.	Grand Junction, Colo.	July 5, 1922	Oct. 22, 1922	Santa Fe, N. Mex. (35 mi. N.).
*33519	-----	Lewis Rumford.	Wilmington, Del.	July 8, 1917	May 14, 1922[2]	Wilmington, Del.
†103837	-----	----do	----do	Mar. 31, 1923	June 7, 1923	Do.
*20936	♀	W. I. Lyon	Waukegan, Ill.	Apr. 4, 1920	Mar. 28, 1921	Waukegan, Ill.
*42061	♂	----do	----do	Apr. 7, 1920	Apr. 1, 1921	Do.
*42065	♂	----do	----do	Apr. 22, 1920	Dec. —, 1920	Corinth, Miss. (8 mi. W.)
*42790	-----	----do	----do	May 17, 1918	Apr. 6, 1920	Waukegan, Ill.
*57617	♀	----do	----do	June 18, 1920	Mar. 31, 1921	Do.
18030	♀	----do	----do	May 10, 1921	Apr. 16, 1922	Do.
18030	♀	----do	----do	----do	May 23, 1922	Do.
18043	-----	----do	----do	June 7, 1921	Apr. 12, 1922	Do.
18337	♂	----do	----do	Mar. 30, 1921	Mar. 17, 1922	Do.
18342	-----	----do	----do	Apr. 20, 1921	Mar. 28, 1922	Do.
*57603	-----	George Roberts.	Lake Forest, Ill.	Apr. 16, 1921	June 5, 1922	Lake Forest, Ill.
*57603	-----	----do	----do	----do	May 3, 1923	Do.
16468	-----	----do	----do	May 5, 1922	Apr. 15, 1923	Do.
†110956	-----	Earl Brooks	Noblesville, Ind.	May 22, 1923	May 23, 1923	Noblesville, Ind.
13795	-----	S. E. Perkins	Indianapolis, Ind.	Apr. 29, 1922	Mar. 24, 1923	Indianapolis, Ind.
29151	-----	----do	----do	Sept. 29, 1922	Mar. 29, 1923	Do.
30847	-----	----do	----do	Aug. 14, 1922	Apr. 24, 1923	Do.
†29823	-----	J. P. Jones	Perry, Iowa	May 22, 1922	May 22, 1922	Perry, Iowa.
15302	♂	Dayton Stoner	Iowa City, Iowa.	Mar. 30, 1922	Apr. 10, 1923	Iowa City, Iowa.
*†56204	-----	Mrs. B. P. Reed.	Lawrence, Kans.	May 14, 1921	May 17, 1921	Lawrence, Kans.
15239	-----	----do	----do	July 11, 1921	Apr. 28, 1922	Do.
15239	-----	----do	----do	----do	Mar. 18, 1923	Do.
15246	-----	----do	----do	June 6, 1922	Mar. 18, 1923	Do.
†15252	-----	----do	----do	July 5, 1922	July 28, 1922	Do.
103884	-----	----do	----do	June 11, 1922	Mar. 11, 1923	Do.
†8998	-----	E. H. Perkins	Unity, Me.	July 17, 1922	Aug. 6, 1922	Unity, Me.
†16966	-----	R. L. Coffin	Amherst, Mass.	Apr. 2, 1922	Apr. 17, 1922	Amherst, Mass.
23227	-----	R. B. Mackintosh.	Danvers, Mass.	June 12, 1922	May 1, 1923[2]	Baltimore, Md.
†70514	-----	Mrs. A. B. Pratt.	Middleboro, Mass.	Apr. 27, 1923	Apr. 27, 1923	Middleboro, Mass.

[2] Date approximate.

Robin—Continued

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
17203		E. U. Ufford	Auburndale, Mass.	June 6, 1922	Apr. 19, 1923	Auburndale, Mass.
†10050		W. C. Wheeler	East Walpole, Mass.	July 3, 1923	July 8, 1923	East Walpole, Mass.
†16218		F. W. Rapp	Vicksburg, Mich.	Aug. 9, 1921	Aug. 19, 1921	Vicksburg, Mich.
*57921		Dayton Stoner	Douglas Lake, Mich.	July 21, 1920	Jan. 21, 1921	McLain, Miss.
*56163		J. Van Tyne	Ann Arbor, Mich.	May 16, 1922	Apr. 18, 1923	Ann Arbor, Mich.
16021		A. S. Warthin	do	Apr. 4, 1922	Mar. 31, 1923	Do.
†48554		do	do	Apr. 24, 1923	June 2, 1923	Do.
8919		S. P. Jones	Webster Groves, Mo.	Aug. 23, 1921	June 24, 1922	Webster Groves, Mo.
53328		Miss. E. F. Bennett.	Meriden, N. H.	June 2, 1920	Dec. 15, 1921	Atlantic, N. C.
*†55057		T. D. Carter	Boonton, N. J.	May 11, 1921	May 19, 1921	Boonton, N. J.
*53469	♂	R. H. Howland.	Upper Montclair, N. J.	May 2, 1920	May 8, 1921	Upper Montclair, N. J.
15653		do	do	Apr. 9, 1922	Apr. 8, 1923	Do.
15655		do	do	Apr. 30, 1922	Mar. 22, 1923	Do.
15656		do	do	do	Apr. 22, 1923	Do.
15661		do	do	July 16, 1922	Apr. 15, 1923	Do.
†46556		C. L. Morse	Montclair, N. J.	Mar. 20, 1923	May 3, 1923	Montclair, N. J.
*†55014		Verdi Burtch	Branchport, N. Y.	May 19, 1922	May 29, 1922	Branchport, N. Y.
28747	♂	R. E. Horsey	Rochester, N. Y.	May 16, 1922	Mar. 19, 1923	Rochester N. Y.
†103516		do	do	July 10, 1922	Aug. 20, 1922	Do.
†108150		do	do	Apr. 26, 1923	May 12, 1923	Do.
†108158		do	do	June 5, 1923	June 9, 1923	Do.
†60466		C. H. Watson	Andover, N. Y.	July 2, 1923	July 3, 1923	Andover, N. Y.
†106914		Miss. M. A. Boggs.	Waynesville, N. C.	June 19, 1923	June 20, 1923	Waynesville, N. C.
†13591		R. W. Tufts	Wolfville, Nova Scotia.	June 11, 1922	June 23, 1922	Wolfville, Nova Scotia.
†104491		do	do	Oct. 2, 1922	Nov. 6, 1922	Do.
17546	♂	R. H. Smith	Kent, Ohio	July 16, 1922	Mar. 28, 1923	Kent, Ohio.
†23711		do	do	June 24, 1922	June 25, 1922	Do.
†111480		do	do	June 27, 1923	July 2, 1923	Do.
†111490		do	do	July 14, 1923	July 14, 1923	Do.
15195	♀	H. F. Cant	Galt, Ontario	May 24, 1922	Apr. 10, 1923	Galt, Ontario.
†15196		do	do	May 10, 1922	May 27, 1922	Do.
†16102		P. F. Foran	Ottawa, Ontario	June 7, 1922	July 1, 1922	Ottawa, Ontario
†16114		do	do	May 26, 1923	Aug. 10, 1923 [2]	Do.
†16115		do	do	do	June 14, 1923 [2]	Do.
104127	♀	Hoyes Lloyd	do	July 1, 1922	Apr. 26, 1923	Do.
†104146		do	do	July 31, 1922	Aug. 1, 1922	Do.
†109724		J. B. Rishel	Williamsport, Pa.	Apr. 30, 1923	Apr. 30, 1923	Williamsport, Pa.
†103323		H. E. Childs	Rockville, R. I.	June 30, 1922	July 1, 1922	Rockville, R. I.
†104324		H. M. Halverson.	Yankton, S. Dak.	June 23, 1923	June 24, 1923	Yankton, S. Dak.
†69478		Mrs. H. C. Miller.	Racine, Wis	Apr. 16, 1923	Aug. 1, 1923 [2]	Racine, Wis.
104203		Mrs. E. M. Towns.	Milwaukee, Wis	June 26, 1922	May 11, 1923	Milwaukee, Wis.
†112451		do	do	May 14, 1923	May 24, 1923	Do.

[2] Date approximate.

Bluebird: *Sialia sialis*

No.	Age and sex	Banding record			Return record	
		Operator	Locality	Date	Date	Locality
*†55415	-----	W. I. Lyon---	Waukegan, Ill---	May 23, 1922	June 19, 1922	Waukegan, Ill.
†11492	-----	Mrs. B. P. Reed	Lawrence, Kans	May 12, 1922	May 15, 1922	Lawrence, Kans.
†12503	-----	-----do-----	-----do-----	June 27, 1922	June 27, 1922	Do.
17236	♀	G. E. Allen---	Plainfield, Mass.	May 31, 1922	Apr. 2, 1923	Plainfield, Mass.
17214	♀	Mrs. E. L. Hathaway.	West Bridgewater, Mass.	Aug. 8, 1922	May 9, 1923	West Bridgewater, Mass.
†29904	-----	A. W. Higgins.	Rock, Mass-----	May 24, 1922	May 28, 1922	Rock, Mass.
24572	♂	E. U. Ufford--	Auburndale, Mass.	-----do-----	June 7, 1923	Auburndale, Mass
†28605	-----	Fr. Damian Smith	Manchester, N. H.	July 18, 1922	Sept. 8, 1922	Manchester, N. H.
*45941	♀	S. P. Baldwin.	Gates Mills, Ohio.	June 6, 1920	July 7, 1921	Gates Mills, Ohio.
*45947	♂	-----do-----	-----do-----	June 7, 1920	June 2, 1921	Do.
14912	-----	-----do-----	-----do-----	June 25, 1922	June 24, 1923	Do.
11957	♀	H. E. Childs--	Providence, R. I	May 19, 1922	Aug. 8, 1922[16]	Providence, R. I.
11958	♂	-----do-----	-----do-----	May 21, 1922	Aug. 8, 1922[16]	Do.

[16] Retrapped at nest box for second brood.

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ORGANIZATION OF THE UNITED STATES DEPARTMENT OF AGRICULTURE

August 21, 1924

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